

# FILE NOTATIONS

Entered in MID File .....✓  
Location Map Pinned .....✓  
Card Indexed .....✓

Checked by Chief *P.W.B.*  
Approval Letter *10-17-72*  
Disapproval Letter .....

## COMPLETION DATA:

ate Well Completed *2-20-73* .....

..... WW..... TA.....  
..... OS..... PA.....

Location Inspected .....

Bond released

State or Fee Land .....

## LOGS FILED

Driller's Log.....✓

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....



**MOUNTAIN FUEL SUPPLY COMPANY**

180 EAST FIRST SOUTH • P. O. BOX 11368 • SALT LAKE CITY, UTAH 84111 • PHONE 328-8315

October 6, 1972

Utah Department of Natural Resources  
Division of Oil and Gas Conservation  
1588 West North Temple  
Salt Lake City, Utah 84116

Attn: Mr. Cleon B. Feight

Gentlemen:

Enclosed per the requirements of the State of Utah is the \$5,000 drilling bond #SL-6254024 in duplicate for Mountain Fuel Supply Company's Piute Knoll Well No. 1 located on fee land in the SW $\frac{1}{4}$  of Section 26 of Township 33 South, Range 25 East, SLM, San Juan County, Utah. Please return one executed copy to this office.

The Notice of Intent to Drill will be forthcoming from our Rock Springs office.

I believe with this bond and the forthcoming Notice of Intent to Drill, all of the requirements will have been met, but if anything further is required, please advise.

Very truly yours,

R. L. McHenry  
Landman

RLM:co  
enc

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION

Bond #SL-6254024

BOND

KNOW ALL MEN BY THESE PRESENTS,

That  
We:

MOUNTAIN FUEL SUPPLY COMPANY

of the  
County of:

SALT LAKE

In the  
State of:

UTAH

as Principal,  
and

THE AMERICAN INSURANCE COMPANY, a New Jersey Corporation

as surety, authorized to do business in this State, are held and firmly bound unto the State in the penal sum as indicated, lawful money of the United States, for which payment, will and truly be made to the State of Utah for the use and benefit of the Division of Oil and Gas Conservation, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The condition of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State of Utah, to wit:

May be used

Township 33 South, Range 25 East, SLM

as blanket bond or for single well:

Section 26: SW $\frac{1}{4}$

San Juan County, Utah

NOW THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State, and the rules and regulations and orders of the Division of Oil and Gas Conservation of the State, including, but not limited to, the proper plugging of said well or wells, and filing with said Division of the State, all notices and records required by said office, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal Sum of FIVE THOUSAND and no/100 ----- (\$ 5,000.00 ) State of Utah

Witness our hands and seals, this 29th day of September, 1972

ATTEST:

Assistant Secretary

MOUNTAIN FUEL SUPPLY COMPANY

Lyle A. Hale

Principal

Vice President-Exploration

Witness our hands and seals, this 6th day of October 1972

AMERICAN INSURANCE COMPANY, a New Jersey Corporation of  
San Francisco, California

Edward F. Folland Surety

Attorney-in-Fact

State of UTAH }  
County of S.L. } ss:

On October 6, 1972, before me, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared

Edward F. Folland

known to me to be Attorney-in-Fact of AMERICAN INSURANCE COMPANY the corporation described in and that executed the within and foregoing instrument, and known to me to be the person who executed the said instrument in behalf of the said corporation, and he duly acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal, the day and year stated in this certificate above.

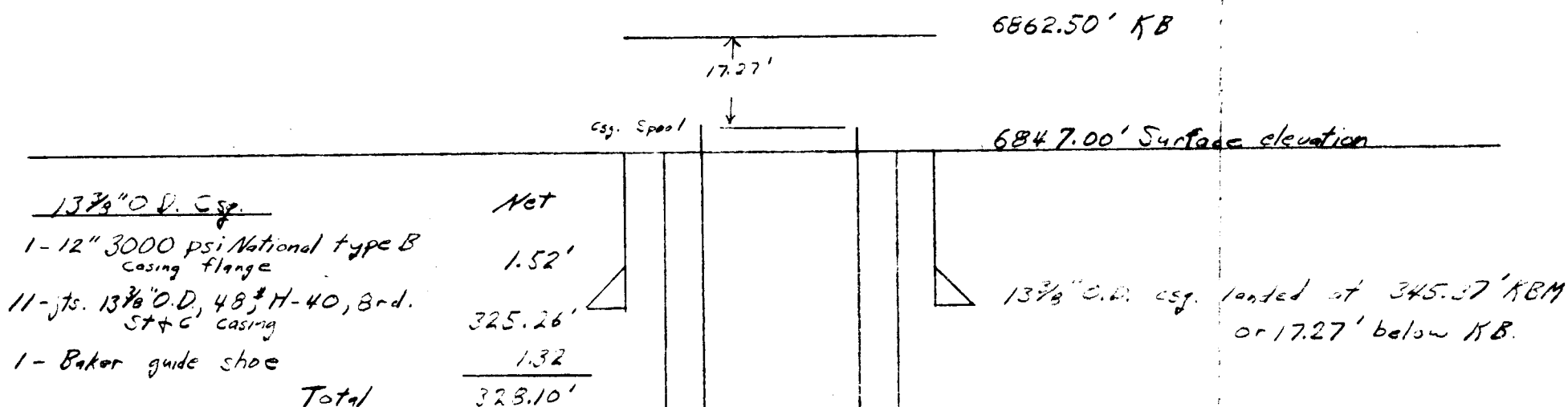
My Commission Expires 4-4-75

Jean M. Lambourne  
Notary Public

Drilled by MFSCo.  
Dec. 1972

Piute Knoll Well No. 1  
Wildcat  
Sec 26, Twp. 33S., Range 25E.  
San Juan County, Utah

Drawn by TRH 1-12-73  
Revised 2-6-73 PB



Above casing was landed at 345.37' KBM or 17.27' below KB. All casing collars were spot welded top and bottom. Circulated cement 1/2 hour prior to cementing, circulated casing with 395 sacks Ideal type A cement treated with 1356 lbs of Dowell LV-5-A. Cement in place at 10:00 AM, 12-27-72, the 12" 3000 psi casing flange is 1.77' below ground level.

8 5/8" O.D. Csg.	Net
1- pc. 8 5/8" O.D., 24" K-55, Bnd. Tru-ty.	14.45'
72-jts. 8 5/8" O.D., 24" K-55, Bnd. Tru-ty. csg. 2002.14'	
24-jts. 8 5/8" O.D., 32" K-55, Bnd. ST&C csg.	760.04'
1- 8 5/8" Baker Diff. Float Collar	1.85'
1-jt. 8 5/8" 24", 2" K-55, Bnd. ST&C Csg.	21.53'
1- 8 5/8" Baker Guide shoe	1.25'
	3111.44'

Above csg landed at 3111.44' KBM or 17.27' below KB in a MSCo. 12" 3000 psi Csg flange with full indicator weight of 120,000 lbs. Circulated csg. 1 hr. prior to cementing. Rotated csg. thru out all cementing operation. Cemented csg. with 450 sacks Ideal A cement with 14 lbs. Flowseal per sack cement. Plug Down 7:00 PM 1-13-73. Set slips installed a 12" 3000 psi by 10" 3000 psi csg spool.

4 1/2" OD CASING	Net
189 Jts & 1 pc 4 1/2" OD 11.6 pound K-55 8 Round ST&C Csg	5963.35
1 Howco Float Collar	1.45
1 Jt 4 1/2" OD 11.6 pound K-55 8 Round ST&C Csg	29.18
1 Howco Float Shoe	1.65
	5995.63

The above csg landed at 6011.13' KBM or 15.50' below KB in a 12" 3000 psi by 10" 3000 psi csg spool. Circ with Rig Pump 30 min CMF w/ 377 sacks 50-50 Pozmix w/ 2% gel good returns thru out. Did not rotate csg. CMF in place 11:00 AM Feb 1 1973. Landing csg on slips with indicator wt of 70,000 pounds

6011.13' KBM 4 1/2" OD Csg  
6031.00 TD 7 7/8" Hole

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Piute Knoll

9. Well No.

1

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk.  
and Survey or Area

NE SW 26-33S-25E., S.L.M.

12. County or Parrish 13. State

San Juan

Utah

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. Type of Well

Oil  
Well ☐Gas  
Well ☒

Other

Wildcat

Single  
Zone ☐Multiple  
Zone ☐

2. Name of Operator

Mountain Fuel Supply Company

3. Address of Operator

P. O. Box 1129, Rock Springs, Wyoming 82901

4. Location of Well (Report location clearly and in accordance with all State requirements.\*)

At surface

1980' FSL, 1980' FWL NE SW

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office\*

8 miles east of Monticello, Utah

15. Distance from proposed\*

660'

16. No. of acres in lease

160.00

17. No. of acres assigned  
to this well

-

(Also to nearest drlg. line, if any)

18. Distance from proposed location\*  
to nearest well, drilling, completed,  
or applied for, on this lease, ft.

19. Proposed depth

6200'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

GR 6847'

22. Approx. date work will start\*

November 1, 1972

23.

## PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2	13-3/8	48	300	395
11	8-5/8	24	3100 approx.	to be determined
7-7/8	5-1/2	17	to be determined	

We would like to drill the subject well to an estimated depth of 6200', anticipated formation tops are as follows: Dakota at the surface, Morrison at 250', Summerville at 650', Curtis at 850', Entrada at 1100', Carmel at 1250', Navajo at 1300', Kayenta at 1600', Wingate at 1700', Chinle at 2000', Shinarump at 2500', Moenkopi at 2580', Cutler at 2650', Honaker Trail at 4350', Paradox at 4900', Ismay at 5465', Desert Creek at 5870' and Paradox at 5940'.

Mud will be adequate to contain formation fluids and blow out preventers will be checked daily.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

B. W. Craft, Jr.

Title

Vice President,  
Gas Supply Operations

Date Oct. 16, 1972

(This space for Federal or State office use)

Permit No.

B-031-30697

Approval Date

Approved by  
Conditions of approval, if any:

Title

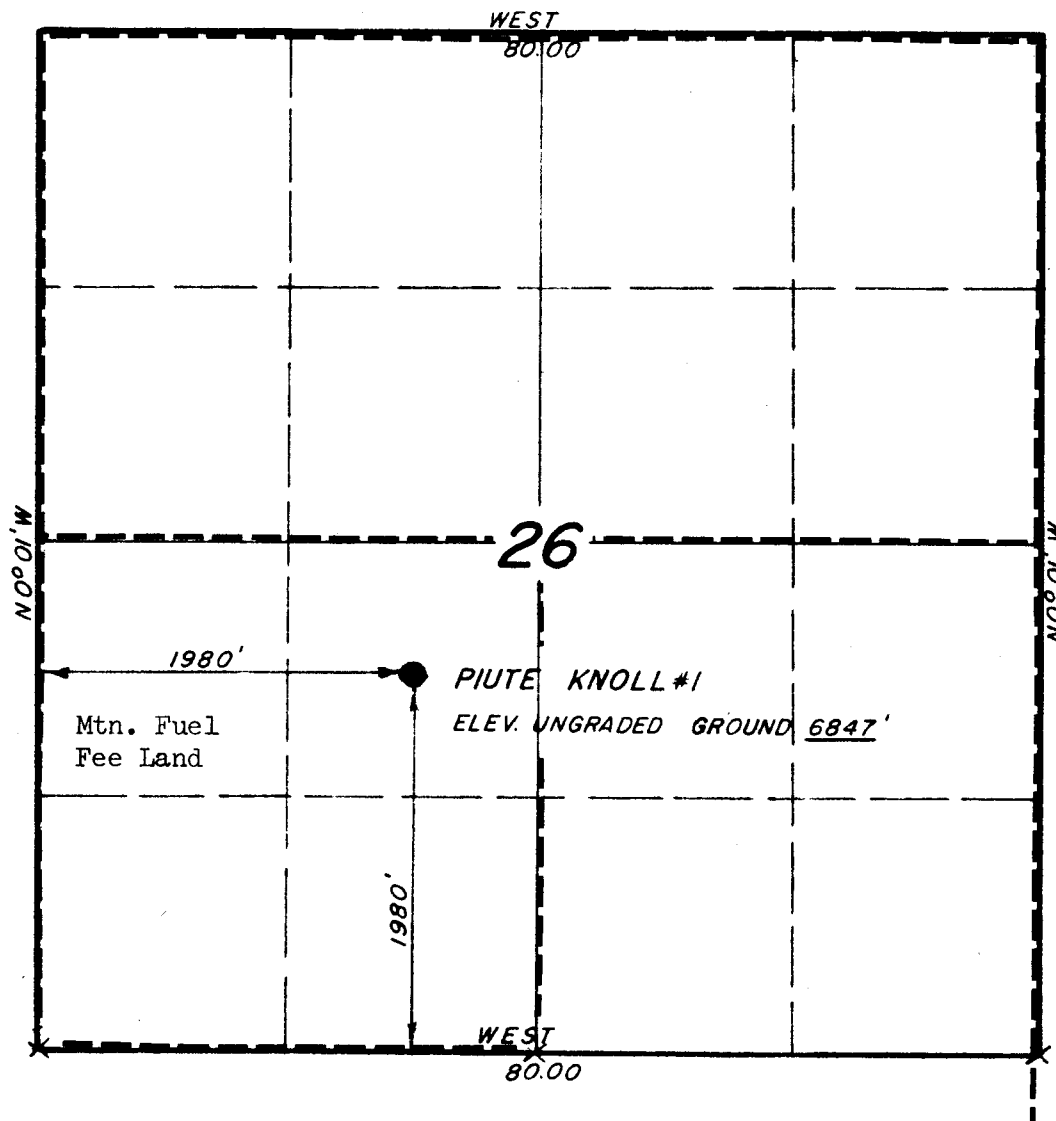
Date

*T33S, R25E, S.L.M.*

PROJECT

MOUNTAIN FUEL SUPPLY

WELL LOCATION, PIUTE KNOLL #1, LOCATED  
AS SHOWN IN THE NE 1/4 SW 1/4 SECTION  
26, T33S, R25E, S. L. M., SAN JUAN COUNTY,  
UTAH



X = CORNERS LOCATED & USED



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY THE SURVEYOR  
SUPERVISING AND THAT THE SAME ARE TRUE TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 40153  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 25, 26 SEPT. 1972
PARTY G. S. , K. S.	REFERENCES G. L. O. PLAT
WEATHER MODERATE	FILE M. F. S. M-10856

October 17, 1972

Mountain Fuel Supply Company  
Box 1129  
Rock Springs, Wyoming 82901

Re: Well No. Piute Knoll #1  
Sec. 26, T. 33 S, R. 25 E,  
San Juan County, Utah

Gentlemen:

*Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure.*

*Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:*

PAUL W. BURCHELL-Chief Petroleum Engineer  
HOME: 277-2890  
OFFICE: 328-5771

*Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to completing this form will be greatly appreciated.*

*The API number assigned to this well is 43-037-30097.*

*Very truly yours,*

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:ad

4  
R. G. MYERS

INTEROFFICE COMMUNICATION

FROM R. G. Myers

Rock Springs, Wyoming

CITY

STATE

TO B. W. Croft

DATE October 18, 1972

SUBJECT Tentative Plan to Drill  
Piute Knoll Well No. 1  
San Juan County, Utah

Attached for your information and files is a tentative plan to drill the above-captioned well. This plan was written in accordance with the Geologic Prognosis dated August 15, 1972.

RGM/gm

Attachment

cc: J. T. Simon  
L. A. Hale (6)  
J. E. Adney  
Geology (2)  
D. E. Dallas (4)  
C. F. Rosene  
A. A. Penttila  
U.S.G.S.  
State  
Paul Zubatch  
P. E. Files (4)



From: T. M. Colson

Rock Springs, Wyoming

To: R. G. Myers

October 18, 1972

Tentative Plan to Drill  
Piute Knoll Well No. 1  
San Juan County, Utah

This well will be drilled to total depth by the \_\_\_\_\_ Drilling Company. One work order has been originated for the drilling and completion of the well, namely 21121, Drill Piute Knoll Well No. 1. This well is located in the NE 1/4 SW 1/4 Sec. 26, T. 33 S., R. 25 E., San Juan County, Utah. The well will be drilled to a total depth of 5950 feet to test the Paradox formation. Surface elevation is at 6847 feet.

1. Drill 17-1/2-inch hole to approximately 330 feet KBM.
2. Run and cement approximately 300 feet of 13-3/8-inch O.D., 48-pound, H-40, 8 round thread, ST&C casing. The casing will be cemented with 395 sacks of regular Type "G" cement which represents theoretical requirements plus 100 percent excess cement for 13-3/8-inch O.D. casing in 17-1/2-inch hole with cement returned to surface. Cement will be treated with 1856 pounds of Dowell D43A. Plan on leaving a 20 foot cement plug in the bottom of the casing after displacement is completed. Floating equipment will consist of a Baker guide shoe. The top and bottom of all casing collars will be spot welded in the field and the guide shoe will be spot welded to the shoe joint in the Rock Springs Machine Shop. The bottom of the surface casing should be landed in such a manner that the top of the 12-inch 3000 psi casing flange will be 1.77 feet below ground level. A cellar four feet deep will be required. Prior to cementing, circulate 100 barrels of mud. Capacity of the 13-3/8-inch O.D. casing is 52 barrels.
3. After a WOC time of 6 hours, remove landing joint. Install a NSCo. Type "B" 12-inch 3000 psi regular duty casing flange tapped for 13-3/8-inch O.D., 8 round thread casing. Install a 2-inch extra heavy nipple, 6-inches long, and a Nordstrom Figure 824 (800 psi WOG, 1600 psi test) valve on one side of the casing flange and a 2-inch extra heavy bull plug in the opposite

side. Install a 12-inch 3000 psi double gate hydraulically operated blowout preventer with blind rams in the bottom and 4-1/2-inch rams in the top, a Hydril preventer and finish nipping up. After a WOC time of 12 hours, pressure test surface casing and all preventer rams to 1000 psi for 15 minutes, using rig pump and drilling mud. The burst pressure rating for the 13-3/8-inch O.D. casing is 1730 psi.

4. Drill 11-inch hole to tentative 8-5/8-inch O.D. intermediate casing point at approximately 3100 feet, 500 feet into the Cutler formation. A mud desander and desilter will be used from under the surface casing to total depth to remove all undesirable solids from the mud system and to keep the mud weight to a minimum. A fully manned logging unit will be used from bottom of surface casing to total depth. The logging unit will be responsible for catching 10 foot samples to total depth. The mud system will consist of properties adequate to allow the running of drill stem tests. The mud weight should be held as low as practical. Ten drill stem tests are anticipated starting at a depth of approximately 2500 feet. Anticipated tops are as follows:

	Approximate Depth (Feet KBM)
Dakota	Surface
Morrison	250
Summerville	650
Curtis	850
Entrada	1100
Carmel	1250
Navajo	1300
Kayenta	1600
Wingate	1700
Chinle	2000
* Shinarump	2500
Moenkopi	2580
* Cutler	2650
* Honaker Trail	4350

	Approximate Depth (Feet KBM)
* Paradox	
Zone 1	4900
Zone 2	5175
Zone 3	5295
Upper Ismay	
Zone 4	5465
Lower Ismay	
Zone 5	5685
"B" Marker	
Zone 6	5805
Desert Creek	
Zone 7	5870
Zone 8	5920
Paradox Salt	5940
Total Depth	10 feet into the Paradox salt

\* Objectives

5. Run a dual induction laterolog with 2-inch linear scale and integrated bore-hole compensated gamma ray sonic-caliper log from surface pipe to total depth. Run a sidewall neutron log over selected zones of interest.
6. Go in hole to total depth with 11-inch bit and drill pipe to condition mud and hole prior to running 8-5/8-inch O.D. casing. Pull bit laying down drill collars. The mud weight should not exceed 10 ppg prior to running the 8-5/8-inch O.D. casing.
7. Rams will not be changed in the ram type preventer since the Hydril preventer will be on the wellhead. Run 8-5/8-inch O.D. casing as outlined in Item No. I, "General Information." Cement casing with sufficient regular Type "G" cement in order to bring the cement level outside the 8-5/8-inch O.D. casing approximately 1000 feet above the bottom of the casing or above any potential producing zones. A Baker 8-5/8-inch O.D. Type "G" float collar and 8-5/8-inch guide shoe will be run as floating equipment. The bottom of the collars of four joints of 8-5/8-inch O.D., 32-pound, K-55, 8 round thread, ST&C casing will be spot welded. The float shoe, shoe joint, float collar, and the next four joints

of casing will be locked together in the field at the time the casing is being run using Halliburton thread locking compound. Touch bottom and pick the casing up one foot. Circulate 250 barrels of drilling mud prior to beginning cementing operations. Capacity of the 8-5/8-inch O.D. casing is approximately 189 barrels. Rotate casing while circulating, mixing, and displacing cement. Displace cement with mud.

8. Immediately after cementing operations are completed, land the 8-5/8-inch O.D. casing with full weight of casing on slips and record indicator weight. Cut the 8-5/8-inch O.D. casing off and install a 12-inch 3000 psi by 10-inch 3000 psi casing spool with 2-inch WKM 3000 psi wing valves. Pressure test seals to 800 psi for 5 minutes. The collapse pressure for 8-5/8-inch O.D., 24-pound, K-55 casing is 1430 psi. Install a 10-inch 3000 psi preventer with blind rams on bottom and 4-1/2-inch pipe rams on top, a Hydril preventer, and finish nipping up.
9. After a WOC time of 24 hours, pressure test casing and preventer to 1000 psi for 15 minutes using mud and rig pump. The internal pressure rating for new 8-5/8-inch O.D., 24-pound, K-55 casing is 2950 psi.
10. Go in hole with 7-7/8-inch bit and adequate drill collars. Drill ahead to total depth of 5950 feet or to such other depth as may be recommended by the Geological Department.
11. Run a dual induction-laterolog (with 2-inch linear scale), integrated sonic gamma ray caliper log from the bottom of the 8-5/8-inch O.D. casing to total depth drilled and a sidewall neutron log over zones of interest.
12. Assuming commercial quantities of gas and/or oil are present, go into hole with a 7-7/8-inch bit and condition hole to run 5-1/2-inch O.D. casing. Pull and lay down drill pipe and drill collars.

13. Run 5-1/2-inch O.D., 17-pound, K-55, 8 round thread, LT&C casing as outlined in Item No. I, General Information. Run the casing to bottom and pick up one foot. A Larkin filrite float shoe and float collar will be used as floating equipment. The casing will be cemented with 50-50 Pozmix cement. Cement requirements will be the actual volume as calculated from the caliper log plus 20% excess. Circulate 200 barrels mud prior to beginning cementing operations. Capacity of the 5-1/2-inch O.D. casing is 144 barrels. Rotate casing while circulating, mixing, and displacing cement. Displace cement with water.
14. Immediately after cementing operations are completed, land the 5-1/2-inch O.D. casing with full indicator weight on slips. Cut off 5-1/2-inch O.D. casing and install a 6-inch 3000 psi by 10-inch 3000 psi tubing spool. Pressure test seals to 2000 psi for 5 minutes. The collapse pressure for 5-1/2-inch O.D., 17-pound, K-55 casing is 4500 psi. Install a steel plate over tubing spool and release rig.
15. Rig up a contract workover rig. Install a 6-inch 5000 psi hydraulically operated double gate preventer with blind rams on bottom and 2-3/8-inch tubing rams on top.
16. Rig up Dresser Atlas and run a cement bond and PFC log from plugged back depth to the top of the cement behind the 5-1/2-inch O.D. casing.
17. Run 2-3/8-inch O.D. tubing. Using Halliburton pump truck, pressure test casing and pipe rams to 3000 psi for 15 minutes. The minimum internal yield pressure for 5-1/2-inch O.D., 17-pound, K-55 is 5320 psi and the wellhead is 5000 psi working pressure, 10,000 psi test. Land tubing on a H-1 hanger. Pressure test blind rams to 3000 psi for 15 minutes. Pull tubing, standing same in derrick.

18. After the above items have been evaluated, a tentative plan to complete will be finalized.

GENERAL INFORMATION

I. The following tubular goods have been assigned to the well.

<u>Description</u>	<u>Approximate Gross Measurement (feet)</u>	<u>Availability</u>
	<u>Surface Casing</u>	
13-3/8-inch O.D., 48-pound, H-40, 8 round thread, ST&C casing	330	To be purchased
	<u>Intermediate Casing</u>	
8-5/8-inch O.D., 24 and 32-pound, K-55, 8 round thread, ST&C casing	3200	To be purchased
	<u>Production Casing</u>	
5-1/2-inch O.D., 17-pound, K-55, 8 round thread, LT&C casing	6400	To be purchased
	<u>Production Tubing</u>	
2-3/8-inch O.D., 4.6-pound, J-55, seal lock tubing	6400	To be purchased

II. The salt content of the mud will be checked prior to cementing the 5-1/2-inch O.D. casing to determine if a salt saturated cement will be required.

III. All ram type preventers will have hand wheels installed and operative at the time the preventers are installed.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Wildcat		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME -
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL, 1980' FWL NE SW		8. FARM OR LEASE NAME Piute Knoll
14. PERMIT NO. 43-037-30097		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) R 6847'		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SW 26-33S-25E., S.L.M.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Supplementary history ☒

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 1413', mixing mud.

Spudded December 21, 1972, ran and set 13-3/8" surface casing.

18. I hereby certify that the foregoing is true and correct

SIGNED B. H. Croft

TITLE Vice President,  
Gas Supply Operations

DATE Jan. 2, 1973

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME -
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1980' FSL, 1980' FWL NE SW		8. FARM OR LEASE NAME Piute Knoll
14. PERMIT NO. 43-037-30097		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6862.50' GR 6847'		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SW 26-33S-25E., S.L.M.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 3756', drilling.

Landed 328.10' net, 331.89' gross of 13-3/8"OD, 48#, H-40, 8rd thd, ST&C casing at 345.37' KBM and set with 495 sacks of cement.

18. I hereby certify that the foregoing is true and correct

SIGNED

B. H. Croft

TITLE

Vice President,  
Gas Supply Operations

DATE

Jan. 16, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <input checked="" type="checkbox"/> <span style="margin-left: 20px;">Wildcat</span>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee
<b>2. NAME OF OPERATOR</b> Mountain Fuel Supply Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> -
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 1129, Rock Springs, Wyoming 82901		<b>7. UNIT AGREEMENT NAME</b> -
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1980' FSL, 1980' FWL NE SW		<b>8. FARM OR LEASE NAME</b> Piute Knoll
<b>14. PERMIT NO.</b> 43-037-30097		<b>9. WELL NO.</b> 1
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) KB 6862.50' GR 6847'		<b>10. FIELD AND POOL, OR WILDCAT</b> Wildcat
		<b>11. SEC., T., R., M., OR BLE. AND SUBST. OR AREA</b> NE SW 26-33S-25E., S.L.M.
		<b>12. COUNTY OR PARISH</b> <b>13. STATE</b> San Juan Utah

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 5523', making DST #2.

Landed 3111.44' net, 3,136.19' gross of 8-5/8" OD, 24# and 32#, K-55, 8rd thd, ST&C casing at 3128.71' KBM and set with 450 sacks of cement.

DST #1: 4840-4868', Honaker Trail, IO 1/2 hour, ISI 2 hours, FO 1 hour, FSI 4 hours, opened with medium blow on both openings, no gas, recovered 140' gas cut mud and 60' gas and mud cut water.

IHP 2217, IOFP's 54-81, ISIP 1686, FOFP's 108-135, FSIP 1846, FHP 2217.

**18. I hereby certify that the foregoing is true and correct**

SIGNED <u>B. W. Croft</u>	TITLE <u>Vice President, Gas Supply Operations</u>	DATE <u>Jan. 23, 1973</u>
---------------------------	--	---------------------------

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <b>OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> Wildcat		5. <b>LEASE DESIGNATION AND SERIAL NO.</b> Fee
2. <b>NAME OF OPERATOR</b> Mountain Fuel Supply Company		6. <b>IF INDIAN, ALLOTTEE OR TRIBE NAME</b> -
3. <b>ADDRESS OF OPERATOR</b> P. O. Box 1129, Rock Springs, Wyoming 82901		7. <b>UNIT AGREEMENT NAME</b> -
4. <b>LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1980' FSL, 1980' FWL NE SW		8. <b>FARM OR LEASE NAME</b> Piute Knoll
14. <b>PERMIT NO.</b> 43-037-30097		9. <b>WELL NO.</b> 1
15. <b>ELEVATIONS</b> (Show whether DF, RT, GR, etc.) KB 6862.50' GR 6847'		10. <b>FIELD AND POOL, OR WILDCAT</b> Wildcat
		11. <b>SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> NE SW 26-33S-25E., S.L.M.
		12. <b>COUNTY OR PARISH</b> 13. <b>STATE</b> San Juan Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. **DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Depth 5991', conditioning mud.

DST #2: 5503-5523', Paradox, IO  $\frac{1}{2}$  hour, ISI 1 hour, FO 1 hour, FSI  $2\frac{1}{2}$  hours, opened strong decreasing to weak blow, reopened strong decreasing to dead in  $\frac{3}{4}$  hour, no gas to surface, recovered 3' mud.

IHP 2449, IOFP's 27-27, ISIP 328, FOFP's 27-27, FSIP 383, FHP 2449.

DST #3: 5665-5692', Ismay, IO  $\frac{1}{2}$  hour, ISI 1 hour, FO 1 hour, FSI 3 hours, opened with medium blow, no gas, reopened weak, gas in 20 minutes not enough to gauge, recovered 20' mud. IHP 2588, IOFP's 54-54, ISIP 1260, FOFP's 54-54, FSIP 1792, FHP 2588.

DST #4: 5710-5810', Ismay, IO  $\frac{1}{2}$  hour, ISI 1 hour, 2nd open 1 hour, 2nd SI  $2\frac{1}{2}$  hours, FO 2 hours, FSI  $3\frac{1}{2}$  hours, opened weak on first & second openings, no gas, reopened strong on final open,  $\frac{1}{2}$  hour 82 Mcf, 1 hour 229 Mcf, 2 hours 100 Mcf, recovered 110' mud. IHP 2614, IOFP's 54-54, ISIP 2217, 2nd OFF's 81-189, 2nd SIP 2190, FOFP's 81-54, FSIP 2137, FHP 2588.

DST #5: 5865-5923', Desert Creek, IO  $\frac{1}{2}$  hour, ISI 2 hours, FO 3 hours, FSI 4 hours, opened with medium blow, no gas, reopened strong, gas in 7 minutes not enough to gauge, recovered 5' mud. IHP 2641, IOFP's 27-27, ISIP 2005, FOFP's 14-14, FSIP 2456, FHP 2615.

18. I hereby certify that the foregoing is true and correct

SIGNED B. H. Croft

TITLE

Vice President,

Gas Supply Operations

DATE Jan. 29, 1973

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

4

February 2, 1973

MEMO FOR FILING

Re: Mountain Fuel Supply Co.  
Piute Knoll #1  
Sec. 26, T. 33 S, R. 25 E,  
San Juan County, Utah

On January 30, 1973, the above referred to well site was visited.

Met with the driller, Mr. Archie Williams, and a safety inspection was made of the Loffland Brothers Drilling Company's rig. The overall condition of the rig and associated equipment was considered excellent.

At the time of the visit the well was being logged at a total depth of 6,031'. Mr. Williams indicated that they had made six D.S.T.'s which showed high pressure gas with low volume, that they were continuing to test.

CLEON B. FEIGHT  
DIRECTOR

CBF:ck

cc: U.S. Geological Survey

COMPLETION REPORT

Well: Piute Knoll No. 1 Date: Donald Adams, et al  
 Area: Paradox Basin Lease No: Fee Lease

☒ New Field Wildcat ☐ Development Well ☐ Shallower Pool Test  
☐ New Pool Wildcat ☐ Extension ☐ Deeper Pool Test

Location: 1980 feet from west line, 1980 feet from south line  
NE  $\frac{1}{4}$  SW  $\frac{1}{4}$

Section 26, Township 33 South, Range 25 East

County: San Juan State: Utah

Operator: Mountain Fuel Supply Company

Elevation: KB 6862.5' Gr 6847' Total Depth: Driller 6031' Log 6035'

Drilling Commenced: December 21, 1972 @ 12:00 A.M. Drilling Completed: January 29, 1973

Rig Released: February 1, 1973 Well Completed: February 20, 1973

Sample Tops: (unadjusted)

Entrada	1095	Paradox	4983
Chinle	1987	Salt	6021
Shinarump	2565		
Moenkopi	2641		
Cutler	2681		
Honaker Trail	4425		

Log Tops:

Summerville	783	Moenkopi	2639
Curtis	1000	Cutler	2680
Entrada	1093	Honaker Trail	4420
Carmel	1240	Paradox	4945
Navajo	1273	Upper Ismay	5520
Kayenta	1578	Lower Ismay	5796
Wingate	1783	"B" Marker	5908
Chinle	2025	Desert Creek	5973
Shinarump	2560	Salt	6021

Sample Cuttings:

10-foot samples from 800 feet

Status: to TD  
Gas well

Producing Formation: Upper Ismay

Perforations: 5752-5772' w/2 hyper-jet shots per foot

Stimulation: 10,000 Super X acid (28% HCl)

Production: IP 1260 Mcf on  $\frac{1}{2}$ " choke, FTP 310#, CP 505#, sep 270 psi.

Plug Back Depth: 5980'

Plugs: None

Hole Size: 17 $\frac{1}{2}$ " from surface to 360'; 11" from 360' to 3150'; 7-7/8" from 3150' to 6131'

Casing/Tubing: 13-3/8" surface casing @ 345.37'; 8-5/8" intermediated casing @ 3128.71'; 4 $\frac{1}{2}$ " production casing @ 6011.13'.

Logging - Mud: Monitor w/Bill Hugo, supervisor  
5" Field Print from 800' to TD

Mechanical: Schlumberger w/Hughes & Ellis engineers

DIL & BHC from surface to TD; SNP-GR from 4500' to TD

Contractor: Loffland Brothers Tooter-Pusher

Completion Report Prepared by: J. Golden

Remarks:



**DOWELL** DIVISION OF THE DOW CHEMICAL COMPANY

Rock Springs, Wyoming  
February 5, 1973

Mr. Tom Colson  
Mountain Fuel Supply Company  
P. O. Box 1129  
Rock Springs, Wyoming 82901

Dear Mr. Colson:

This letter is written in regard to the possible completion of your Piute Knoll No. 1, San Juan County, Utah, Ismay Formation.

The following is our recommended treatment and procedure with cost estimate and pertinent data:

Recommended Treatment and Procedure

1. Rig up service unit and clean well out to PHTD.
2. Perforate desired zone.
3. Run tubing and packer.
4. Spot 500 gallons Dowell Breakdown Acid containing 10% Isopropyl Alcohol across perforations and set packer approximately 50 feet above zone.
5. Breakdown formation at 2-3 BPM with an Acid pumping unit
6. Flush fluid to be condensate or light oil.
7. Swab and flow well for clean up and test.
8. If necessary we recommend to acid fracture down tubing at 8-10 BPM psi surface pressure using "Frac Pac and Acid" technique as follows;
  - a. 5000 gallons Petrojel gelled condensate or lease oil pad with 2 gallons/1000 gallons Freflo "C" Surfactant.
  - b. 5000 gallons Super X Acid containing 3 gallons/1000 gallons L-37 Scale Prevention Additive, 20#/1000 gallons L-41 Iron Chelating Agent, 5#/1000 gallons J-120 Friction Reducer, 5 gallons/1000 gallons F-52 Foaming Agent and 3 gallons/1000 gallons A-170 Inhibitor.
  - c. 8000 gallons overflush lease oil containing 2 gallons/1000 Freflo "C" and 10 gallons/1000 gallons J-257 Friction Reducer.
  - d. Flush to perforations with lease oil containing 10 gallons/1000 gallons J-257 Friction Reducer.
9. Swab and flow well for clean up and test as soon as possible following treatment.
10. Put well on production.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <span style="float: right;">Wildcat</span>		5. LEASE DESIGNATION AND SERIAL NO. Fee
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME 
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980' FSL, 1980' FWL NE SW		8. FARM OR LEASE NAME Piute Knoll
14. PERMIT NO. 43-037-30097		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6862.50' GR 6847'		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SW 26-33S-25E., S.L.M.
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 6031', waiting on completion tools.

DST #6: 5900-6031', Desert Creek, IO  $\frac{1}{2}$  hour, ISI 2 hours, FO 2 hours, FSI 3 hours, opened with weak blow increasing to medium blow, no gas, reopened strong, gas in 5 minutes not enough to gauge decreasing to almost dead at end of test, recovered 200' mud.

IHP 2755, IOFP's 80-80, ISIP 2306, FOFP's 53-104, FSIP 2042, FHP 2674.

Ran  $4\frac{1}{2}$ " production casing, rig released 2-1-73.

18. I hereby certify that the foregoing is true and correct

SIGNED

B. H. Cropper

TITLE

Vice President,  
Gas Supply Operations

DATE

Feb. 5, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

5

P2 PNB

## INTEROFFICE COMMUNICATION

R. G. MYERS

FROM R. G. Myers

Rock Springs, Wyoming

CITY

STATE

TO B. W. Croft

DATE February 8, 1973

SUBJECT Tentative Plan to Complete  
Piute Knoll Well No. 1  
San Juan County, Utah

Attached for your information and files is a tentative plan to complete the above-captioned well.

RGM/gm

Attachment

cc: J. T. Simon  
L. A. Hale (6)  
J. E. Adney  
Geology (2)  
D. E. Dallas (4)  
C. F. Rosene  
U.S.G.S.  
State  
A. A. Pentila  
P. E. Files (4)

COMPLETION REPORT (cont.)

Well: Piute Knoll No. 1  
Area: Paradox Basin

Cored Intervals (recovery): None

Tabulation of Drill Stem Tests:

No.	Interval	IHP	IFP (min.)	ISIP (min.)	FFP (min.)	FSIP (min.)	FHP	Samples Caught	Remarks
1	4836-4862	2217	54-81 (30)	1686 (120)	108-135 (60)	1846 (240)	2217	Water & mud	NGTS Rec 140' GCM, 60' G & MCW
2	5503-5523	2449	27-27 (30)	328 (60)	27-27 (60)	383 (150)	2449	Mud	NGTS Rec 3' mud
3	5665-5692	2588	54-54 (30)	1260 (60)	54-54 (60)	1792 (180)	2588	Mud	GTS 50 min, NETG Rec 20' mud
4	5710-5810	2614	1st 54-54 (30) 2nd 81-189 (60)	1st 2217 (60) 2nd 2190 (150)	3rd 81-54 (120)	3rd 2137 (210)	2588	Mud & gas	Rec 110' mud, GTS 90 min, 100 Mcf stablized Special analysis
5	5865-5923	2641	27-27 (30)	2005 (120)	14-14 (180)	2456 (240)	2615	Mud	GTS 37 min, NETG Rec 5' mud
6	5900-6031	2753	80-80 (30)	2306 (120)	53-107 (120)	2042 (180)	2674	Mud	GTS 35 min, NETG Rec 200' mud



From: T. M. Colson

Rock Springs, Wyoming

To: R. G. Myers

February 8, 1973

Tentative Plan to Complete  
Piute Knoll Well No. 1  
San Juan County, Utah

Present status of well is as follows:

- a. 13-3/8-inch O.D., 48-pound, H-40, 8 round thread, ST&C casing landed at 345.37 feet KBM.
- b. 8-5/8-inch O.D., 24-pound and 32-pound, K-55, 8 round thread, ST&C casing landed at 3128.71 feet KBM.
- c. 4-1/2-inch O.D., 11.6-pound, K-55, 8 round thread, ST&C casing landed at 6011.13 feet KBM.
- d. The cement behind the 4-1/2-inch O.D. casing was in place at 11:00 A.M., February 1, 1973. Calculated cement top is at 4500 feet.

One producing zone was indicated by open hole drill stem tests.

Drill Stem Test No. 4

Depth 5810 feet, packers 5704 feet and 5710 feet

Ismay 5750 feet to 5754 feet, 38 unit gas increase

IO 1/2 hour, ISI 1 hour, 2nd open 1 hour, 2nd SI 2-1/2 hours, FO 2 hours, FSI 3-1/2 hours, opened with weak on 1 and 2 openings, no gas; reopened string on final open, 1/4 hour 72 MCF, 1/2 hour 82 MCF, 3/4 hour 93 MCF, 1 hour 229 MCF, 1-1/4 hours 100 MCF, 1-1/2 hours 100 MCF, 1-3/4 hours 100 MCF, 2 hours 100 MCF. Recovered 110 feet mud, 8.6 ppg, Res. 1.6; pit mud 8.7 ppg, Res. 1.7. IHP 2614, IOFP's 54-54, ISIP 2217, 2nd OFP's 81-189, 2nd SIP 2190, FOFP's 81-54, FSIP 2137, FHP 2588. BHT 127°F. MFE: 50 psig, .027 cubic feet gas. Recovered 2 samples at 30 pounds.

A tentative plan to complete the well follows:

NOTE: KB is 14.07 feet above the 6-inch 3000 psi NSCo. Type B tubing spool.

1. Install deadmen anchors. Move in a contract workover rig.
2. Install a 10-inch 3000 psi by 6-inch 3000 psi NSCo. Type B tubing spool.

Pressure test seals to 2500 psi for 5 minutes. The collapse pressure for 4-1/2-inch O.D., 11.6-pound, K-55 casing is 4540 psi.

3. Install a 6-inch 5000 psi double gate preventer with blind rams on bottom and 2-3/8-inch tubing rams on top.

4. Rig up Schlumberger and run a PDC cement bond log from plug back depth at approximately 5975 feet to the top of the cement behind the 4-1/2-inch O.D. casing.
5. Pick up a 3-3/4-inch bit and run on 2-3/8-inch O.D., 4.6-pound, J-55 seal lock tubing to plug back depth. Pressure test pipe rams to 4000 psi for 15 minutes. Land tubing on a H-1 tubing hanger. Pressure test blind rams to 4000 psi for 15 minutes. The minimum internal yield for 4-1/2-inch O.D., 11.6-pound, K-55 casing is 5350 psi and the wellhead is 3000 psi working pressure, 6000 psi test.
6. Pull tubing standing same in derrick. Rig up Schlumberger lubricator. Perforate the following interval with two Hyper Jet shots per foot.

5752 feet to 5772 feet

Measurements are from the Schlumberger sidewall neutron porosity log dated 1-30-73 and must be correlated with the PDC log before perforating in order to account for any depth corrections.

7. Run 2-3/8-inch O.D., 4.6-pound, J-55 seal lock tubing and land at 5800 feet.  
Note: A 2-3/8-inch seal lock closing tool with pump out plug will be run on the bottom of the tubing and a seating nipple will be run on top of the bottom joint of tubing. Install upper portion of wellhead.
8. Rig up Dowell pump truck and fill tubing with drip oil. Pump out tubing plug and displace water from the wellbore with drip oil. Approximately 90 barrels will be required.
9. Using a Dowell pump truck, pump 500 gallons Dowell breakdown acid containing 10 percent Isopropyl alcohol down tubing. Displace acid with 8 barrels drip oil. Note: This will spot the acid at the bottom of the tubing. Close wing valve. Displace acid with 15 barrels drip oil at 3 barrels per minute. Maximum

surface pump pressure will be 4000 psi. The 4-1/2-inch O.D., 11.6-pound, K-55 tubing has a minimum yield of 5350 psi and the well is 3000 psi working pressure, 6000 psi test.

10. Flow well back immediately and run short production test.
11. Assuming commercial quantities of oil and/or gas are indicated by test, rig up a Dowell turbine pump truck to the casing annulus. Acidize as follows:  
Note: See attached Dowell recommendations for additives.
  - A. Pump 78 barrels (3276 gallons) Petrojel pad fluid down casing annulus with tubing valve open to pit. When fluid reaches surface, close valve.
  - B. Pump 41 barrels (1724 gallons) Petrojel pad fluid at 8 to 10 barrels per minute. Do not exceed a surface pressure of 4000 psi during the acid treatment.
  - C. Follow pad fluid with 5000 gallons Super X acid with additives.
  - D. Displace acid with 8000 gallons drip oil with additives.
  - E. Flow well back as soon as possible the same day and run production test.

#### GENERAL INFORMATION

- I. C. E. Natco National Tank Company production pac unit will be used to test the well.
- II. Dowell will furnish two 400 barrel tanks for drip oil storage. See attached Dowell recommendations for material requirements.
- III. Drip oil from El Paso Natural Gas Company
  - 90 barrels - load hole
  - 23 barrels - displace BAC acid
  - 90 barrels - load hole
  - 119 barrels - Petrojel pad fluid
  - 190 barrels - displacement
  - 188 barrels - contingencies
  - 700 barrels - total
- IV. All ram type preventers will have hand wheels installed and operative at the time the preventers are installed.

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Mountain Fuel Supply Company

3. ADDRESS OF OPERATOR

P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1980' FSL, 1980' FWL NE SW

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-037-30097 DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.  
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Piute Knoll

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat - Ismay

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

NE SW 26-33S-25E., S.L.M.

12. COUNTY OR PARISH  
San Juan13. STATE  
Utah

15. DATE SPUDDED 12-21-72 16. DATE T.D. REACHED 1-29-73 17. DATE COMPL. (Ready to prod.) 2-20-73 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* KB 6862.50' GR 6847' 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD &amp; TVD 6031 21. PLUG, BACK T.D., MD &amp; TVD 5980 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 0-6031 ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

5752-5772' Ismay

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Laterolog, Borehole Compensated Sonic, Sidewall Neutron

Porosity

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	345.37'	17-1/2	495	0
8-5/8	24 & 32	3128.71	11	450	0
4-1/2	11.6	6011.13	7-7/8	377	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	5811.44	

31. PERFORATION RECORD (Interval, size and number)

5752-5772', jet, 2 holes per foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5752-5772	10,000 gallons super X acid

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
Shut in		Flowing					Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
2/18-20/73	54	1/2"	→					
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
310	505	→	-	1260	-			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented while testing

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs as above, Well Completion and Well Lithology to be sent at a later date.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

B. W. Croft

TITLE

Vice President,  
Gas Supply Operations

DATE

March 6, 1973

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUB VERT. DEPTH
				Log tops:			
				Summerville	783'		
				Curtis	1000		
				Entrada	1093		
				Carmel	1240		
				Navajo	1273		
				Kayenta	1578		
				Wingate	1783		
				Chinle	2025		
				Shinarump	2560		
				Moenkopi	2639		
				Cutler	2680		
				Honaker Trail	4420		
				Paradox	4945		
				Upper Ismay	5520		
				Lower Ismay	5796		
				"B" Marker	5908		
				Desert Creek	5973		
				Salt	6021		

P-W



**DOWELL** DIVISION OF THE DOW CHEMICAL COMPANY

Rock Springs, Wyoming  
page 2

Estimated Cost

450 gallons Dowell Breakdown Acid	279.00
50 gallons F-3 Isopropyl Alcohol	75.00
2 gallons A-130 Inhibitor	16.50
Acid pump rental 4 hours	300.00
Mileage on equipment	33.25
Total estimated cost less taxes	<u>703.75</u>

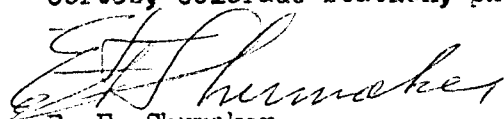
5000 gallons Petrojel Pad Fluid	458.75
5000 gallons Super X Acid	3500.00
100 gallons J-257 Friction Reducer	425.00
25 pounds J-120 Friction Reducer	85.00
100 pounds L-41 Iron Chelating Agent	80.00
15 gallons L-37 Scale Prevention Additive	153.25
26 gallons Freflo "C" Surfactant	247.00
25 gallons F-52 Foaming Agent	200.00
15 gallons A-170 Inhibitor	116.25
1520 Hydraulic Horsepower	2584.00
Blender to 10 BPM	160.00
Mileage on equipment	166.25
Total estimated cost less taxes	<u>8180.50</u>

Discussion

	Rate	Pressure	
		2 3/8"	2 7/8"
Petrojel	10	6250 psi	3550 psi
Super X Acid/J-120	10	2000 psi	2000 psi
Lease Oil/J-257	10	6300 psi	3650 psi

We appreciate working with you on this project and if additional information or assistance is desired please advise.

We would appreciate performing this treatment for you from our Cortez, Colorado station, phone 303-565-3815.

  
E. F. Shumaker  
Area Engineer

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING  
\*\*\*\*\*

Well Name and Number Plute Knoll #1

Operator Mountain Fuel Supply Company

Address P.O. Box 11368, Salt Lake City, Utah

Contractor Loffland Brothers

Address Casper, Wyoming

Location NE 1/4, SW 1/4, Sec. 26, T. 33 N., R. 25 E., San Juan County.  
S. N.

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
	<u>From - To -</u>	<u>Flow Rate or Head -</u>	<u>Fresh or Salty -</u>
1.	<u>4836-4862</u>	<u>140 feet of muddy water</u> ✓	<u>Salty Rw .165 @ 68</u>
2.	<u></u>	<u></u>	<u></u>
3.	<u></u>	<u></u>	<u></u>
4.	<u></u>	<u></u>	<u></u>
5.	<u></u>	<u></u>	<u></u>

(Continue on Reverse Side if Necessary)

Formation Tops:

Summerville 783	Carmel 1240	Wingate 1783	Moenkopi 2639	Paradox 4945
Curtis 1000	Navajo 1273	Chinle 2025	Cutler 2680	Upper Ismay 5520
Entrada 1093	Kayenta 1578	Shinarump 2560	Honaker Tr. 4420	Lower Ismay 5796
				"B" Marker 5908
				Desert Ck. 5973
				Salt 6021

Water sample was taken from MFE Chamber,  
Water is definitely formation water.

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
  - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (see back of this form)
  - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

<b>1. OIL WELL</b> <input type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> <u>Wildcat</u>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> Fee
<b>2. NAME OF OPERATOR</b> Mountain Fuel Supply Company		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> 
<b>3. ADDRESS OF OPERATOR</b> P. O. Box 1129, Rock Springs, Wyoming 82901		<b>7. UNIT AGREEMENT NAME</b> 
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1980' FSL, 1980' FWL NE SW		<b>8. FARM OR LEASE NAME</b> Piute Knoll
<b>14. PERMIT NO.</b> 43-037-30097		<b>9. WELL NO.</b> 1
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) KB 6862.50' GR 6847'		<b>10. FIELD AND POOL, OR WILDCAT</b> Wildcat
		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> NE SW 26-33S-25E., S.L.M.
		<b>12. COUNTY OR PARISH</b> <b>13. STATE</b> San Juan Utah

**16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Supplementary history</u>	<input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 6031', PBD 5980', rig released 2-20-73.

Rigged up work over unit on 2-13-73, perforated from 5752' to 5772' with 2 hyper jet shots per foot, landed 2-3/8" tubing at 5811.44' KBM, acidized with 10,000 gallons super X acid, after 54 hours of testing well making 1260 Mcf of gas per day through 1/2" choke, FTP 310, CP 505, separator 270. Well shut in.

18. I hereby certify that the foregoing is true and correct

SIGNED B. H. Croft TITLE Vice President, Gas Supply Operations DATE March 6, 1973

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



## MFS Testing Gas Flow at 3 New Wells

Mountain Fuel Supply Co. detailed Wednesday its activity at two new natural gas wells in southeastern Utah and southwestern Colorado, and a third in southwestern Wyoming "which apparently taps new reserves in an older field."

M. M. Fidler, board chairman, and B. Z. Kastler, MFS president, said new discoveries are at Piute Knoll Well No. 1, about 10 miles east of Monticello, San Juan County, and Cross Canyon Unit Well No. 1, near Dove Creek, Colo.

The development well — believed to have tapped new reserves — is in the Middle Baxter field, about six miles southeast of Rock Springs, Wyo., they added.

The Piute Knoll well — in which MFS owns all interest plus 22,000 acres of adjacent land — was completed in the Ismay formation between 5,752 and 5,772 feet. It flowed at 1,260,000 cubic feet of gas daily through a half-inch choke.

The Cross Canyon well gauged a maximum of 430,000 cubic feet daily through a quarter-inch choke during a drill-stem test between 5,384 and 5,929 feet in the Ismay formation. MFS holds in excess of 30 percent interest in the well and all of the 12,800 acres adjacent to it. Cherokee & Pittsburg Coal and Mining Co., Amarillo, Tex., is operating the well.

The Baxter Field unit in

Wyoming flowed a maximum of 6,640,000 cubic feet of gas daily from a Dakota formation sandstone at 2,235 feet during the drill-stem test.

"Although the Dakota formation has been and still is productive in the Middle Baxter Field, the new well is believed to have tapped new reserves in an isolated fault block in the field," the MFS officials said. The utility holds 100 percent interest in the new well.

*Put in Well File*

*Filed Lake City Tribune  
March 8, 1973*

July 13, 1973

The American Insurance Company  
c/o Edward F. Folland  
645 East South Temple,  
Salt Lake City, Utah 84102

Re: Oil & Gas Drilling Bond  
No. SL-6254024  
Amount: \$5,000.00  
Dated: 10-6-72

Gentlemen:

Please be advised that inasmuch as this office is in receipt of a statewide blanket bond on behalf of Mountain Fuel Supply Company, the above referred to bond may be cancelled.

If you should have any questions relative to the above, please do not hesitate to call or write.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:sd

cc: Mountain Fuel Supply Company

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Fee - Donald Adams et al
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME -
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1980' FSL, 1980' FWL NE SW		8. FARM OR LEASE NAME Piute Knoll
14. PERMIT NO. API # 43-037-30097		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6862.50' GR 6847'		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE SW 26-33S-25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other) Test

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 6031', PBD 5980', Upper Ismay perforations 5752-5772'.

We would like to make a 30-day test to determine if the subject well will produce commercial quantities of gas; the gas would be flared as the nearest pipeline is approximately five miles distant. The results of this test will be used to determine if additional wells will be drilled.

APPROVED BY DIVISION OF  
OIL & GAS CONSERVATION

DATE 5-8-75

BY CB Ferguson

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Myers

TITLE

General Manager,  
Gas Supply Operations

DATE April 29, 1975

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

4  
K

November 14, 1975

MEMO FOR FILING

Re: Mountain Fuel Supply Company  
Piute Knoll #1  
Sec. 26, T. 33 S., R. 25 E.  
San Juan County, Utah

On November 14, 1975, verbal permission to plug and abandon the above well was given to Mountain Fuel Supply Company.

Pertinent well data:

4 1/2" casing @ 6011' w/ 377 sx.  
8 5/8" casing @ 3129' w/ 450 sx.  
13 3/8" casing @ 345' cemented to surface.

Perforated interval 5772'-5752'

Significant tops:

Ismay	5520'
Honaker Trail	4420'
Cutler	2680'
Moenkope	2639'
Chinle	2025'
Wingate	1783'
Kayenta	1578'
Navajo	1273'
Carmel	1240'
Entrada	1093'
Curtiss	1000'

It is estimated that the 4 1/2" casing stub top will be @ 4200' and the 8 5/8" casing stub top will be @ 2100'.

Plugs will be set as follows:

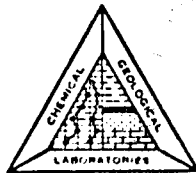
Plug #1	25 sx 300'	Across Perfs	5800'-5500'
Plug #2	25 sx 100'	50' in & 50' out	4 1/2" 4250'-4150'
Plug #3	25 sx 100'	50' in & 50' out	3180'-3080'
		base of 8 5/8"	
Plug #4	50 sx 100'	50' in & 50' out	2150'-2020'
		top of 8 5/8"	
Plug #5	60 sx 100'		1300'-1200'
Plug #6	70 sx 100'		400'- 300'
Plug #7	20 sx top surface.		

A regulation dry hole marker will be erected, and the well will be identified and the location cleaned up.

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

PLD:tb

cc: U. S. GEOLOGICAL SURVEY



RECEIVED  
AUG 18 1976

## CHEM LAB

## WATER ANALYSIS EXCHANGE REPORT

MEMBER Mountain Fuel Supply Company  
 OPERATOR Mountain Fuel Supply Company  
 WELL NO. 1 Pinto Knoll  
 FIELD Wildcat  
 COUNTY San Juan  
 STATE Utah

LAB NO. 9573 REPORT NO. \_\_\_\_\_  
 LOCATION NE SW 26-33S-25E  
 FORMATION Honaker Trail  
 INTERVAL 4836-4862  
 SAMPLE FROM DST No. 1 (MFE)  
 DATE February 7, 1973

REMARKS & CONCLUSIONS: Cloudy water with clear filtrate.

Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium . . . . .	10,169	442.33	Sulfate . . . . .	288	5.99
Potassium . . . . .	280	7.17	Chloride . . . . .	31,400	885.48
Lithium . . . . .	-	-	Carbonate . . . . .	-	-
Calcium . . . . .	8,183	408.33	Bicarbonate . . . . .	49	0.80
Magnesium . . . . .	419	34.44	Hydroxide . . . . .	-	-
Iron . . . . .	-	-	Hydrogen sulfide . . . . .	-	-
Total Cations . . . . .		892.27	Total Anions . . . . .		892.27

Total dissolved solids, mg/l . . . . . 50,763  
 NaCl equivalent, mg/l . . . . . 50,618  
 Observed pH . . . . . 7.1

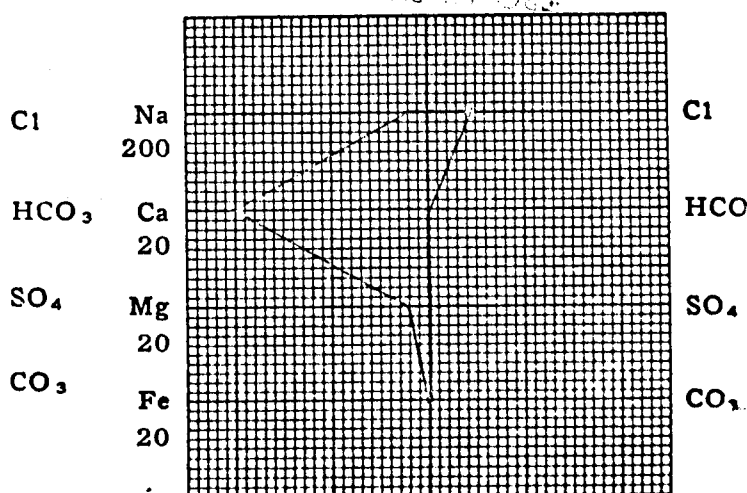
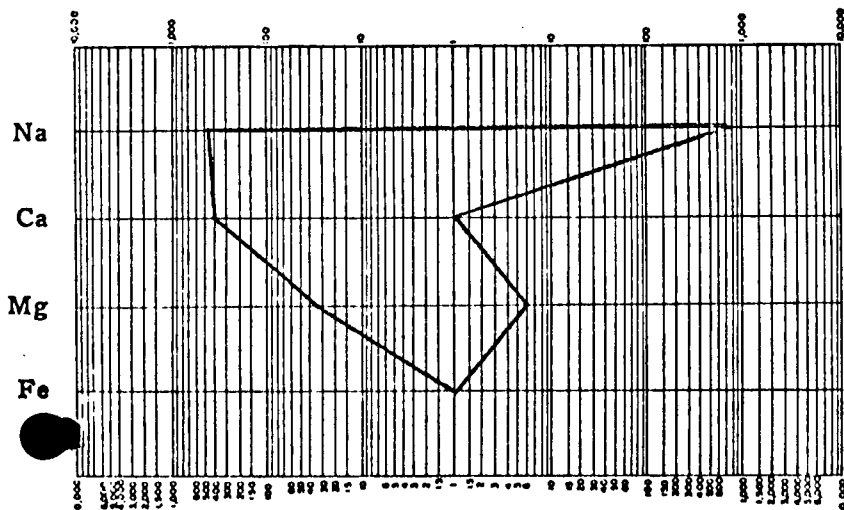
Specific resistance @ 68° F.:

Observed . . . . . 0.165 ohm-meters  
 Calculated . . . . . 0.145 ohm-meters

## WATER ANALYSIS PATTERNS

MEQ per unit

## LOGARITHMIC



(Na value in above graphs includes Na, K, and Li)

NOTE: Mg/l=Milligrams per liter. Meq/l=Milligram equivalents per liter  
 Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 25, 1984

Mountain Fuel Supply Co.  
P. O. Box 11070  
Salt Lake City, Utah 84147

RE: Well No. Piute Knoll #1  
API #43-037-30097  
Sec. 26, T. 33S, R. 25E.  
San Juan County, Utah

Well No. Piute Knoll #2  
API #43-037-30127  
Sec. 22, T. 33S, R. 25E.  
San Juan County, Utah

Gentlemen:

We have reason to believe the above referred to wells are plugged and abandoned, however, this office has not received a "Sundry Notice" of subsequent abandonment.

Rule D-2 of The Oil and Gas Conservation General Rules and Regulations and Rules and Practice and Procedure states:

Within thirty (30) days after the plugging of any well has been accomplished, the owner or operator thereof shall file a plugging report with the Division. The report shall give a detailed account of the manner in which the plugging work was carried out, including the nature and quantities of materials used in plugging, and the location and extent (by depths) of the plugs of different materials; records of any tests or measurements made and the amount, size and location (by depths) of casing left in the well; and statement of the volume of mud fluid used. If an attempt was made to part any casing, a complete report of the method used and results obtained must be included.

Enclosed is the necessary "Sundry Notice" form for your convenience in fulfilling these requirements. Please submit the completed form to this office as soon as possible.

Subsequent Plugging Reports

-2-

May 25, 1984

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

A handwritten signature in cursive script that reads "Claudia L. Jones".

Claudia L. Jones  
Well Records Specialist

CLJ/cj

Enclosures

cc: Dianne R. Nielson, DOGM  
Ronald J. Firth, DOGM  
file





STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 30, 1984

Celsius Energy Company  
P.O. Box 458  
Rock Springs, Wyoming 82902

## 2nd NOTICE

Gentlemen:

Re: Well No. Piute Knoll #1 - Sec. 26, T. 33S., R. 25E.  
San Juan County, Utah - API #43-037-30097

We have reason to believe the above referred to well is plugged and abandoned, however, this office has not received a "Sundry Notice" of subsequent abandonment. We made a previous request for this information in a letter dated May 25, 1984.

Rule D-2 of The Oil and Gas Conservation General Rules and Regulations and Rules and Practice and Procedure states:

Within thirty (30) days after the plugging of any well has been accomplished, the owner or operator thereof shall file a plugging report with the Division. The report shall give a detailed account of the manner in which the plugging work was carried out, including the nature and quantities of materials used in plugging, and the location and extent (by depths) of the plugs of different materials; records of any tests or measurements made and the amount, size and location (by depths) of casing left in the well; and statement of the volume of mud fluid used. If an attempt was made to part any casing, a complete report of the method used and results obtained must be included.

Page 2  
Celsius Energy Company  
Well No. Piute Knoll #1  
October 30, 1984

Enclosed is Form OGC-1b, "Sundry Notices and Reports on Wells", for you to complete and return to this office in order to bring this well into compliance with the above stated rule.

**\*\*You are in violation of the above rule. If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to this matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.**

Respectfully,

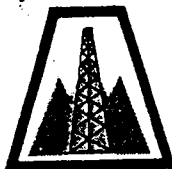


Norman C. Stout  
Administrative Assistant

clj

Enclosure

cc: Dianne R. Nielson  
Ronald J. Firth  
John R. Baza  
File  
00000011/9-10



## WEXPRO COMPANY

P.O. BOX 458 • ROCK SPRINGS, WYOMING 82901 • PHONE (307) 382-9791

**RECEIVED**

November 7, 1984

**NOV 09 1984**

**DIVISION OF OIL  
GAS & MINING**

Mr. Norman C. Stout  
Administrative Assistant  
State of Utah  
Natural Resources  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: ✓ Piute Knoll Well No. 1  
Section 26, T 33 S, R 25 E  
San Juan County, Utah  
API No. 43-037-30097

Piute Knoll Well No. 2  
Section 22, T 33 S, R 25 E  
San Juan County, Utah  
API No. 43-037-30127

Gentlemen:

In regard to your letters of October 30, 1984 on the above captioned wells being plugged and abandoned, please be advised that Piute Knoll Well No. 1 is a shut-in gas well completed in the Upper Ismay perforations from 5752 feet to 5772 feet. The well is approximately five miles from the nearest pipeline. Based on a 1975 production test, the well will not produce enough gas in commercial quantities to justify laying a production line at this time.

We would like permission to leave this well shut-in until economic conditions can justify the laying of a production line.

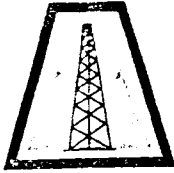
Piute Knoll Well No. 2 is plugged and abandoned. A Sundry Notice requesting permission to plug and abandon the well was sent on May 21, 1974 to the State of Utah Oil and Gas Conservation Commission. Enclosed you will find a Sundry Notice delineating the abandonment procedures.

If you require further information, please contact me.

Sincerely,

Robert L. Rasmussen  
Staff Engineer

RLR/cjf  
Enclosure



# WEXPRO COMPANY

P.O. BOX 458 • ROCK SPRINGS, WYOMING 82901 • PHONE (307) 382-9791

September 11, 1985

RECEIVED

SEP 13 1985

DIVISION OF OIL  
GAS & MINING

State of Utah Natural  
Resources  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Claudia L. Jones, Production Specialist

RE: Piute Knoll Well No. 1  
API No. 4303730097

Dear Claudia:

In reply to your letter dated September 3, 1985, and our phone conversation at 9:00 a.m., September 11, 1985, the referenced well has not been on production at any time since the completion date of February 20, 1973.

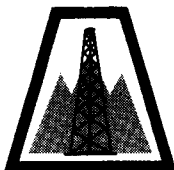
If additional information is required, please contact this office.

Sincerely,

P. J. Radman  
Administrator Outside Operations  
WEXPRO COMPANY

PJR/dmt

cc: A. K. Zuehlsdorff  
Petr. Eng. File



335. 25 E. 24  
San Juan Co.  
WEXPRO COMPANY

P.O. BOX 458 • ROCK SPRINGS, WYOMING 82901 • PHONE (307) 382-9791

September 11, 1985

RECEIVED

SEP 13 1985

DIVISION OF OIL  
GAS & MINING

State of Utah Natural  
Resources  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attn: Claudia L. Jones, Production Specialist

RE: Piute Knoll Well No. 1  
API No. 4303730097

Dear Claudia:

In reply to your letter dated September 3, 1985, and our phone conversation at 9:00 a.m., September 11, 1985, the referenced well has not been on production at any time since the completion date of February 20, 1973.

If additional information is required, please contact this office.

Sincerely,

P. J. Radman  
Administrator Outside Operations  
WEXPRO COMPANY

PJR/dmt

cc: A. K. Zuehlsdorff  
Petr. Eng. File

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
OIL AND GAS INSPECTION RECORD

NE  
SW  
OPERATOR Wlexpro Co LEASE \_\_\_\_\_  
WELL NO. Piute Knoll #1 API 43-037-30097  
SEC. 26 T. 33S R. 26E CONTRACTOR \_\_\_\_\_  
COUNTY S/J FIELD Piute Knoll

DRILLING/COMPLETION/WORKOVER:

\_\_\_ APD  
\_\_\_ SAFETY  
\_\_\_ OPERATIONS  
\_\_\_ WELL SIGN  
\_\_\_ POLL. CONTROL  
\_\_\_ OTHER  
\_\_\_ HOUSEKEEPING  
\_\_\_ SURFACE USE  
\_\_\_ ROPE  
\_\_\_ PITS

SHUT-IN Y / TA \_\_\_\_\_ :

N WELL SIGN  
\_\_\_ OTHER  
X HOUSEKEEPING  
none EQUIPMENT\*  
N SAFETY

ABANDONED:

\_\_\_ MARKER  
\_\_\_ HOUSEKEEPING  
\_\_\_ REHAB.  
\_\_\_ OTHER

PRODUCTION:

\_\_\_ WELL SIGN  
\_\_\_ METERING\*  
\_\_\_ SECURITY  
\_\_\_ HOUSEKEEPING  
\_\_\_ POLL. CONTROL  
\_\_\_ SAFETY  
\_\_\_ EQUIPMENT\*  
\_\_\_ PITS  
\_\_\_ OTHER  
\_\_\_ FACILITIES\*  
\_\_\_ DISPOSAL

GAS DISPOSITION:

\_\_\_ VENTED/FLARED  
\_\_\_ SOLD  
\_\_\_ LEASE USE

LEGEND: Y - YES OR SATISFACTORY  
N - NO OR UNSATISFACTORY  
NA - NOT APPLICABLE

RECEIVED  
NOV 13 1989

DIVISION OF  
OIL, GAS & MINING

\*FACILITIES INSPECTED: Xmastree Rye Grass Field  
no Equip- no Flow Line

REMARKS: SGW 1700 PSI Tbg - 1700 PSI Csg. This indicates  
master Valve Leaking - unsafe if gauges get broke  
or shot - Housekeeping is Fire hazard due to dry  
Grass & weeds no access Rd

ACTION: 11/8/89 11<sup>30</sup>AM Talked w/mike Butcher w/wlexpro  
1-530-2586 - He will have Local Fld. Foreman to check the  
well out. I suggested TAA would be safer

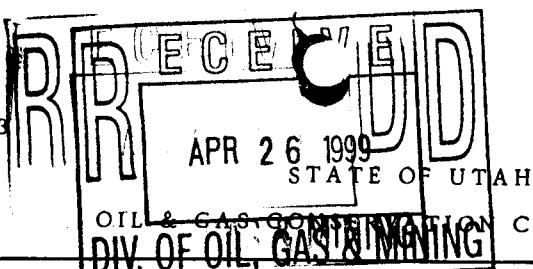
INSPECTOR: [Signature]

DATE 11/8/89

## PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_☐ Other \_\_\_\_\_(Location) Sec 26 Twp 33S Rng 2SE  
(API No.) 43-037-300971. Date of Phone Call: 12/20/89 Time: 9<sup>16</sup> AM2. DOGM Employee (name) Glenn Goodwin (Initiated Call ☒  
Talked to:Name Monica Emerzian (Initiated Call ☐ - Phone No. (801) 530-2586  
of (Company/Organization) Wexpro Co3. Topic of Conversation: Piute Knoll #1 well sign & excessive  
Press. on well head4. Highlights of Conversation: Monica Emerzian had to call  
around to see who would handle this. Denis Clark  
from Rock Springs called back @ 9<sup>30</sup> AM 12/20/89 she  
passed the information onto Field sup. in Dove Ck. cab.  
& it will be taken care of immediately.



SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____	
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	
			DIFF. RESVR. <input type="checkbox"/>	Other _____		
2. NAME OF OPERATOR <b>Mountain Fuel Supply Company</b>						
3. ADDRESS OF OPERATOR <b>P. O. Box 1129, Rock Springs, Wyoming 82901</b>						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>1980' FSL, 1980' FWL NE SW</b> At top prod. interval reported below At total depth						
14. PERMIT NO. <b>43-037-30097</b>			DATE ISSUED			
15. DATE SPUDDED <b>12-21-72</b>		16. DATE T.D. REACHED <b>1-29-73</b>		17. DATE COMPL. (Ready to prod.) <b>2-20-73</b>		
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* <b>KB 6862.50' GR 6847'</b>		19. ELEV. CASINGHEAD <b>-</b>				
20. TOTAL DEPTH, MD & TVD <b>6031</b>		21. PLUG, BACK T.D., MD & TVD <b>5980</b>		22. IF MULTIPLE COMPL., HOW MANY*		
23. INTERVALS DRILLED BY <b>→</b>		ROTARY TOOLS <b>0-6031</b>		CABLE TOOLS <b>-</b>		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <b>5752-5772' Ismay</b>					25. WAS DIRECTIONAL SURVEY MADE <b>No</b>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>Dual Induction Laterolog, Borehole Compensated Sonic, Sidewall Neutron</b>					27. WAS WELL CORRED <b>No</b>	
28. CASING RECORD (Report all strings set in well)						
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
13-3/8	48	345.37'	17-1/2	495	0	
8-5/8	24 & 32	3128.71	11	450	0	
4-1/2	11.6	6011.13	7-7/8	377	0	
29. LINER RECORD						
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)		
30. TUBING RECORD						
SIZE	DEPTH SET (MD)	PACKER SET (MD)				
2-3/8	5811.44					
31. PERFORATION RECORD (Interval, size and number) <b>5752-5772', jet, 2 holes per foot</b>			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED					
5752-5772	10,000 gallons super X acid					
33.* PRODUCTION						
DATE FIRST PRODUCTION <b>Shut in</b>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <b>Flowing</b>			WELL STATUS (Producing or shut-in) <b>Shut in</b>	
DATE OF TEST <b>2/18-20/73</b>	HOURS TESTED <b>54</b>	CHOKE SIZE <b>1/2"</b>	PROD'N. FOR TEST PERIOD <b>→</b>	OIL—BBL.	GAS—MCF.	WATER—BBL.
FLOW. TUBING PRESS. <b>310</b>	CASING PRESSURE <b>505</b>	CALCULATED 24-HOUR RATE <b>→</b>	OIL—BBL.	GAS—MCF. <b>1260</b>	WATER—BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Vented while testing</b>					TEST WITNESSED BY	
35. LIST OF ATTACHMENTS <b>Logs as above, Well Completion and Well Lithology to be sent at a later date.</b>						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED <b>B.H. Coffer</b>		TITLE <b>Vice President, Gas Supply Operations</b>			DATE <b>March 6, 1973</b>	

\*(See Instructions and Spaces for Additional Data on Reverse Side)



# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			Log tops:		
			Summerville	783'	
			Curtis	1000	
			Entrada	1093	
			Carmel	1240	
			Navajo	1273	
			Kayenta	1578	
			Wingate	1783	
			Chinle	2025	
			Shinarump	2560	
			Moenkopi	2639	
			Cutler	2680	
			Honaker Trail	4420	
			Paradox	4945	
			Upper Ismay	5520	
			Lower Ismay	5796	
			"B" Marker	5908	
			Desert Creek	5973	
			Salt	6021	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug-back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>FEE</b>	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>NA</b>	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME <b>NA</b>	
2. NAME OF OPERATOR <b>WEXPRO COMPANY</b>		8. FARM OR LEASE NAME <b>PIUTE KNOLL</b>	
3. ADDRESS OF OPERATOR <b>P. O. BOX 458, ROCK SPRINGS, WY 82902</b>		9. WELL NO. <b>No. 1</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements* See also space 17 below.) At surface  <b>NE SW, 1980' FSL, 1980' FWL</b>		10. FIELD AND POOL, OR WILDCAT <b>WILDCAT</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>26-33S-25E</b>	
14. PERMIT NO. <b>43-037-30097</b>	15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6847' GR</b>	12. COUNTY OR PARISH <b>SAN JUAN</b>	13. STATE <b>UTAH</b>

## Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐☒

Well Shut-in

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

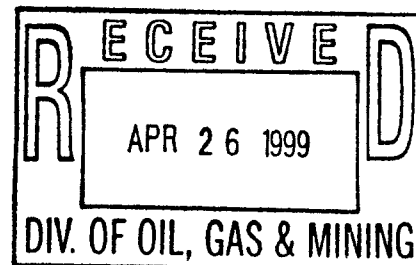
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is a completion report for the captioned well. Due to lack of a gas pipeline in the general vicinity, the well has been shut-in since it was drilled.

Wexpro requests that shut-in status continue. In order to monitor well integrity, we will obtain tubing and casing pressure annually and record them.

COPY SENT TO OPERATOR  
DATE: 5/6/99  
Initials: CHP

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**



18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

G. T. Nimmo, Operations Manager

DATE

April 22, 1999

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



State of Utah

Department of  
Natural Resources

Division of  
Oil, Gas & Mining

ROBERT L. MORGAN  
*Executive Director*

LOWELL P. BRAXTON  
*Division Director*

March 19, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 6464

Mary Fox  
Wexpro Company  
P.O. Box 45601  
Salt Lake City, Utah 84145-0601

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases.

Dear Ms. Fox,

Wexpro Company, as of March 2004, has two (2) State Lease Wells and one (1) Fee Lease Well (see attachment A) that are currently in non-compliance for extended shut-in or temporary abandonment status. Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Page 2  
Mary Fox  
March 19, 2004

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

jc  
cc: John Baza  
Well File  
SITLA

	Well Name	API	Lease Type	Years Inactive
1	Carter-Leverton St 1	43-037-10529	State	10 Years 11 Months
2	Bug 17	43-037-30793	State	10 Years 11 Months
1	Piute Knoll 1	43-037-30097	Fee	10 Years 11 Months

Attachment A

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug-back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO.	
		Fee	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
		NA	
2. NAME OF OPERATOR		7. UNIT AGREEMENT NAME	
Wexpro Company		NA	
3. ADDRESS OF OPERATOR		8. FARM OR LEASE NAME	
P. O. BOX 458, ROCK SPRINGS, WY 82902		Piute Knoll	
PHONE NUMBER		9. WELL NO.	
(307) 382-9791		No. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements* See also space 17 below.)		10. FIELD AND POOL, OR WILDCAT	
At surface		Wildcat	
NE SW, 1980' FSL, 1980' FWL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		26-33S-25E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-07-30097	GR 6847' RKB 6862.50'	San Juan	Utah

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Wexpro Company intends to plug and abandon this well in 2004 according to the following procedure. The work will occur sometime after March 31, 2004. The exact timing of the work will depend upon weather and other scheduling considerations.

MIRU a workover rig, pump and tank. Dig a flare pit. Blow the well down to the pit and fill the hole with approximately 90 Bbls of water. ND the wellhead and install a 7-1/16", 5M double gate BOP with 2-3/8" pipe rams in the top gate. TOH standing back. TIH and set a CICR at 5,700'. Set plugs as follows:

**Plug No. 1** - Squeeze perfs from 5752-5772' using 50 sacks of cement; 40 sacks will be pumped below retainer with the balance used to leave 50' of cement on top of the retainer.

**Spacer** - Circulate the hole full of 9ppg Poz/Gel. About 85 bbls are required.

**Plug No. 2** - Hookup to the 8-5/8" x 13-3/8" annulus with the cementer and establish an injection rate. Mix and pump 160 sacks of cement into the 8-5/8" x 13-3/8" annulus. This is 110% of the volume to 13-3/8" shoe. ND the BOPE and tubing spool. Cutoff the casing flange.

**Plug No. 3** - Mix and place a 50' cement plug (approx. 15 sacks) at surface inside the 4-1/2" casing and inside the 4-1/2"x8-5/8" annulus. Top off the 8-5/8" x 13-3/8" annulus if necessary.

Install a regulation dry hole marker and backfill the flare pit and around the wellhead. RD and move off the rig and all rental equipment.

The location will be reclaimed according to UDOGM stipulations.

A wellbore diagram is attached showing the proposed plugging program.

COPY SENT TO OPERATOR  
Date: 4-6-04  
Initials: LAD

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Director, Technical Services

DATE 3-26-04

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 4/12/04

BY: [Signature]

\* See Conditions of Approval

\* See Instructions On Reverse Side

RECEIVED

MAR 30 2004

DIV. OF OIL, GAS & MINING

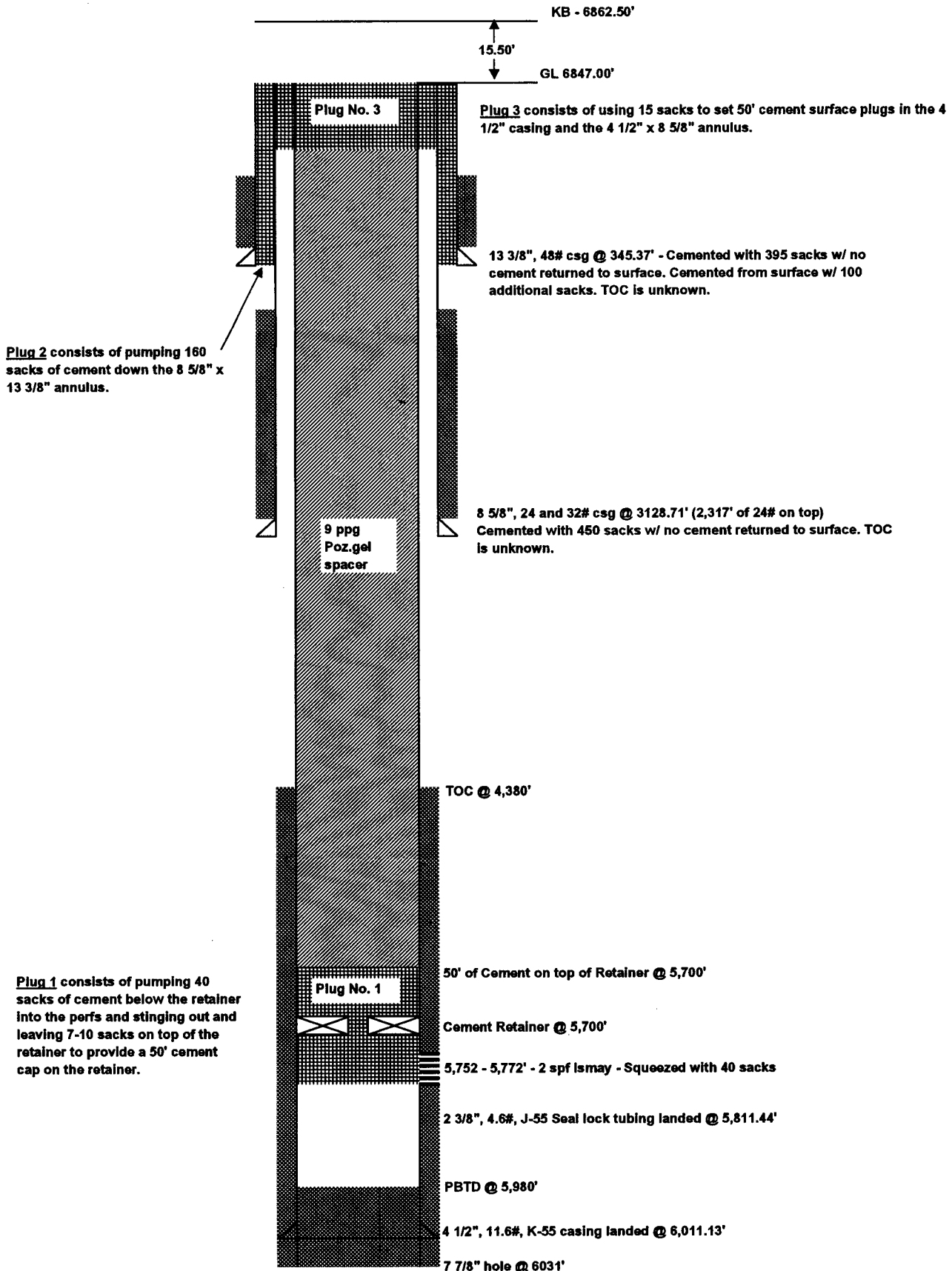
# PROPOSED PLUG PLACEMENT

## Piute Knoll Well No. 1

NE SW Sec 26 T33S R25E

San Juan County, Utah

Proposed condition after Plugging and Abandonment





State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

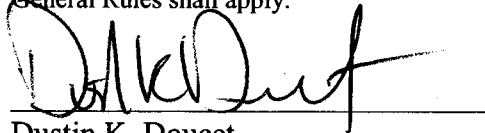
GAYLE F. McKEACHNIE  
*Lieutenant Governor*

## ***CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL***

Well Name and Number: Piute Knoll 1  
API Number: 43-037-30097  
Operator: Wexpro Company  
Reference Document: Original Sundry Notice Dated March 26, 2004  
Received by DOGM on March 30, 2004

### **Approval Conditions:**

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
2. ADD BALANCED PLUG from +/-4,420'-4,320' (approx. 10 sacks) to adequately prevent migration of formation fluids R649-3-24.3.6.
3. ADD PLUG CICR @ +/-3130' - place squeeze perfs @ +/- 3180'; pump 40 sacks below retainer and spot 5 sacks above. Adequately prevent migration of formation fluids R649-3-24.3.6.
4. ADD PLUG CICR @ +/-345' - place squeeze perfs @ +/-395'; pump 35 sacks below retainer and spot 5 sacks above.
5. All intervals between plugs shall be filled with noncorrosive fluid.
6. ALL ANNULI shall be cemented from a minimum depth of 100' to the surface.
7. Balanced plugs shall be tagged to ensure the plugs are at the depths specified in the proposal.
8. Surface reclamation shall be done in accordance with R649-3-34 - Well Site Restoration.
9. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
10. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 prior to continuing with the procedure.
11. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

  
Dustin K. Doucet  
Petroleum Engineer

April 2, 2004  
Date



API Well No: 43-037-30097-00-00

Permit No:

Well Name/No: PIUTE KNOLL 1

Company Name: WEXPRO COMPANY

Location: Sec: 26 T: 33S R: 25E Spot: NESW

Coordinates: X: 662972 Y: 4193743

Field Name: PAIUTE KNOLL

County Name: SAN JUAN

## String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	345	17.5		
SURF	345	13.375	48	
HOL2	3128	11		
II	3128	8.625	24	
HOL3	6031	7.875		
PROD	6011	4.5	11.6	11.459

Cement from 345 ft. to surface

Surface: 13.375 in. @ 345 ft.

Hole: 17.5 in. @ 345 ft.

Add plug CIER <sup>345'</sup> plug 295-395  
 Squeeze perfs @ 395'

Above 50/(1.15)(11.459) = 5 SKS  
 below (i) 50/(1.15)(11.459) = 5 SKS  
 below (o) 50/(1.15)(~~11.459~~) = 30 SKS

$$\frac{(8.625)^2 - (4.5)^2}{183.35} = 3.39$$

## Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
II	3128	1824		
PROD	6011	4380		
SURF	345	0		

Protect Permian Section of  
 Add cement plug 295-395  
 Parts 125/11.459 = 10.5 SKS

Cement from 3128 ft. to 1824 ft.

Intermediate: 8.625 in. @ 3128 ft.

Hole: 11 in. @ 3128 ft.

Add CIER @ 3130 plug 3080-3180  
 parts @ 3180

## Perforation Information

above 50/(1.15)(11.459) = 5 SKS  
 below (i) 50/(1.15)(11.459) = 5 SKS  
 below (o) 50/(1.15)(3.39) = 15 SKS } 35 SKS  
 50/(1.15)(2.66) = 16 SKS }  
 40 SKS Total

$$\frac{[(1.2)(7.875)]^2 - (4.5)^2}{183.35} = 2.66$$

Add plug protect Perm Section

Balanced Plug 4320-4420

100/(1.15)(11.459) = 10 SKS

## Formation Information

Formation	Depth	Formation	Depth
SUMM	783		
CURT	1000		
ENRD	1093		
CARM	1240		
NAVA	1273		
KAYT	1578		
WING	1783		
CHIN	2025		
SRMP	2560		
MNKP	2639		
CTLR	2680		

Cement from 6011 ft. to 4380 ft.

Production: 4.5 in. @ 6011 ft.

Hole: Unknown Plug 1 CIER 5700

Hole: 7.875 in. @ 6031 ft.

above 100/(1.15)(11.459) = 8 SKS  
 below 75/(1.15)(11.459) = 6 SKS

TD: 6031 TVD:

PBTD:



State of Utah

Department of  
Natural Resources

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

June 4, 2004

CERTIFIED MAIL NO. 7002 0510 0003 8602 5351

Mr. Christopher Beilby  
Wexpro Company  
P.O. Box 458  
Rock Springs, Wyoming 82902

Re: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases dated March 19, 2004.

Dear Mr. Beilby,

The Division of Oil, Gas and Mining (the Division) is in receipt of your letter dated May 21, 2004 (received by the Division on 5/26/2004) in regards to the three (3) shut-in wells operated by Wexpro Company (Wexpro). It is the Division's understanding Wexpro will plug the Carter Leverton State 1 and Piute Knoll No. 1 wells this year and requests extended shut-in for the Bug No. 17 well.

Based on the submitted information and plan of action the Division grants extended SI/TA for the Carter Leverton State 1 and Piute Knoll No. 1 wells until January 1, 2005 allowing adequate time to plug and abandon these wells. Please submit plugging procedures when completed.

Based on the submitted information for the Bug No.17 well the Division grants extended SI/TA status until June 3, 2005 as requested, with the stipulation that the Bug No. 17 shall be monitored on a regular bases, and at a minimum the monitoring program should include obtaining and documenting pressures and fluid levels quarterly. This information should be reported to the Division in one year for review. However, if pressures or fluid level change significantly during the year, please inform the Division immediately. Corrective action may be necessary.

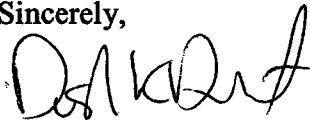
In regards to your letter dated December 17, 2003 (received by the Division on 12/19/2003) requesting extended SI/TA for a Federal well the Bug No. 14, based on the submitted information for the Bug No. 14 the Division grants extended SI/TA status until June 3, 2005, with the stipulation that the Bug No. 14 shall be monitored

Mr. Christopher Beilby  
June 4, 2004  
Page 2

on a regular bases, and at a minimum the monitoring program should include obtaining and documenting pressures and fluid levels quarterly. This information should be reported to the Division in one year for review. However, if pressures or fluid level changed significantly during the year, please inform the Division immediately. Corrective action may be necessary. Note: Federal approval of this action is necessary.

If you have any questions or need additional assistance in regards to the above matters please contact me at (801) 538-5281.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dustin Doucet', written in a cursive style.

Dustin Doucet  
Petroleum Engineer

cc: Well file  
SITLA



**WEXPRO COMPANY**  
1955 Blairtown Road (82901)  
P. O. Box 458  
Rock Springs, WY 82902  
Tel (307) 382-9791  
Fax (307) 352-7575

**Chris Beilby**  
Senior Petroleum Engineer  
Tel (307) 352-7566  
Email – [chris.beilby@questar.com](mailto:chris.beilby@questar.com)

May 21, 2004

Dustin Doucet  
Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Extension of SI/TA Status  
Bug Well No. 17 – API# 43-037-30793  
Carter Leverton State No.1 – API # 43-037-10529  
Piute Knoll No.1 – API# 43-037-30097

Dustin,

This letter is in response to your letter dated March 19, 2004 requesting additional information supporting the continued SI/TA status of the subject wells.

Regarding the Carter Leverton State No. 1 and Piute Knoll No. 1; Wexpro is not requesting continued SI/TA status for these wells. Both wells are scheduled to be plugged and abandoned in the fall of 2004 and the notice of intent to abandon Sundries for each well have been approved by your office.

Wexpro is requesting continued SI/TA status for Bug Well No. 17 for a period of at least one year from this date. The reason for this request is still the desire to retain this wellbore as a possible horizontal drilling candidate pending the final results of the Utah Geological Survey's study on increasing oil recoveries from the Paradox Basin using horizontal drilling techniques.

In addition, the following information is submitted in support of continued SI/TA status.

- 1.) A wellbore diagram
- 2.) A check of shut-in surface pressures made on April 14, 2004 showed the following.  
2-3/8" tubing – 380 psig  
2-3/8" x 5-1/2" annulus – 427 psig
- 3.) A check of surface casing pressure made on May 20, 2004 showed the following.  
5-1/2" x 9-5/8" annulus – 0 psig
- 4.) A fluid level was shot on April 15, 2004 showing the fluid level to be 520' from surface. A copy of the fluid level survey is attached.

The wellbore configuration does not allow for a casing integrity test to be conducted, but I believe the information provided demonstrates wellbore integrity. The fluid level today combined with the surface casing pressure of 427 psig indicates a reasonable value for the current BHP. Bug 17 is a tight edge well that has historically produced very little water, therefore assuming an oil gradient of 0.28 psi/ft for the wellbore fluid, the current estimated BHP is 2,045 psig at the top perforation of 6,298'. The absence of surface casing pressure is a positive indication of wellbore integrity. If the production casing had developed a leak there would likely be surface pressure seen on the 5-1/2" x 9-5/8" annulus, especially given the length of time the well has been shut-in.

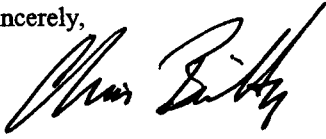
**RECEIVED**

**MAY 26 2004**

**DIV. OF OIL, GAS & MINING**

While the information provided here does not conclusively prove wellbore integrity, I think the absence of surface pressure and the presence of a reasonable static fluid level are good indications that wellbore integrity still exists at this time. If you have any questions regarding this information or desire more information, please contact me at the number shown above.

Sincerely,

A handwritten signature in black ink, appearing to read "Chris Beilby", written in a cursive style.

Christopher A. Beilby  
Senior Petroleum Engineer

cc: Dee Findlay

TEFTELLER, INC.  
RESERVOIR ENGINEERING DATA

FARMINGTON, NM  
GRAND JUNCTION, CO

COMPANY: WEXPRO COMPANY

PAGE 1 OF 1

COUNTY & STATE SAN JUAN COUNTY, UTAH

FILE: 2-52456-FL

DATE: 4-15-2004

TIME:	LEASE & WELL NUMBER	STATUS OF WELL OR STROKES PER MINUTE	CASING PSIG	TUBING DEPTH	NUMBER JOINTS IN WELL	AVERAGE TUBING LENGTH FEET	NUMBER JOINTS TO FLUID	FLUID LEVEL FEET	PERFORATIONS
	BUG NO. 17	SHUT-IN	427	6181'	202	30.59	17	520'	6298'-6310'

002

TEFTELLER

04/16/2004 08:55 PAA 5053251148

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug-back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO.	
		Fee	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
		NA	
2. NAME OF OPERATOR		7. UNIT AGREEMENT NAME	
Wexpro Company		NA	
3. ADDRESS OF OPERATOR		8. FARM OR LEASE NAME	
P. O. BOX 458, ROCK SPRINGS, WY 82902		Piute Knoll	
PHONE NUMBER		9. WELL NO.	
(307) 382-9791		No. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements* See also space 17 below.)		10. FIELD AND POOL, OR WILDCAT	
At surface		Wildcat	
NE SW, 1980' FSL, 1980' FWL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		26-33S-25E	
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-047-30097	GR 6847' RKB 6862.50'	San Juan	Utah

16. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
PULL OR ALTER CASING	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	ABANDONMENT*	<input checked="" type="checkbox"/>
CHANGE PLANS	<input type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Wexpro Company plugged and abandoned this well 10/24-29//06 as follows.

MIRU a workover rig and equipment. Dug a flare pit. Blew the well down and circulated the hole with water for well control. ND the upper wellhead and installed a 7-1/16", 5M hydraulically operated double gate BOP equipped with 2-3/8" pipe rams in the top gate and blind rams in the bottom gate. POOH with the tubing and round-tripped a casing scraper. Set a CICR @ 5704'. Pressure tested the casing to 1000 psig okay.

**Plug No. 1:** Squeezed the perfs 5752-5772' using 50 sacks (10.5 bbl) of cement. 40 sacks (8.5 bbl) were pumped below the CICR and 60' of cement was left on top of the CICR after reversing out.

Circulated the casing full of water containing corrosion inhibitor.

**Plug No. 2:** Set a 25 sack (5 bbl) balanced plug from 4439' to approximately 4117'. POOH with tubing.

**Plug No. 3:** Pumped 50 sacks (10.5 bbl) cement down the 8-5/8" x 13-3/8" annulus for a 100' surface plug.

**Plug No. 4:** Pumped 25 sacks (5 bbl) cement down the 4-1/2" x 8-5/8" annulus for a 100' surface plug.

**Plug No. 5:** Squeezed the intermediate casing shoe using 50 sacks through perfs @ 3180' and CICR @ 3139'. 40 sacks (8.5 bbl) were pumped below the CICR and 60' of cement was left on top of the CICR after reversing out.

**Plug No. 6:** Squeezed the surface casing shoe using 50 sacks through perfs @ 395-397' and CICR @ 347'. 40 sacks (8.5 bbl) were pumped below the CICR and 60' of cement was left on top of the CICR after reversing out.

Cut-off the wellhead.

**Plug No. 7:** Set a 100' surface plug inside the 4-1/2" casing stub using 10 sacks (2 bbls). One-inched top-out plugs to surface in both the 8-5/8" x 13-3/8" and 4-1/2" x 8-5/8" annuli using an additional 60 sacks (12.5 bbls).

Made final cut on casing 3 feet below ground level and installed a regulation sub-surface dry-hole marker plate on the stub. Backfilled above the dry hole marker to ground level.

Rigged down and moved off the rig and all related equipment. The location is in the process of being reclaimed.

The GPS coordinates of the abandoned wellhead are N 37.52.702 and W 109.8.846.

18. I hereby certify that the foregoing is true and correct

SIGNED Will D. Smith TITLE Director, Technical Services DATE 12.8.06

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

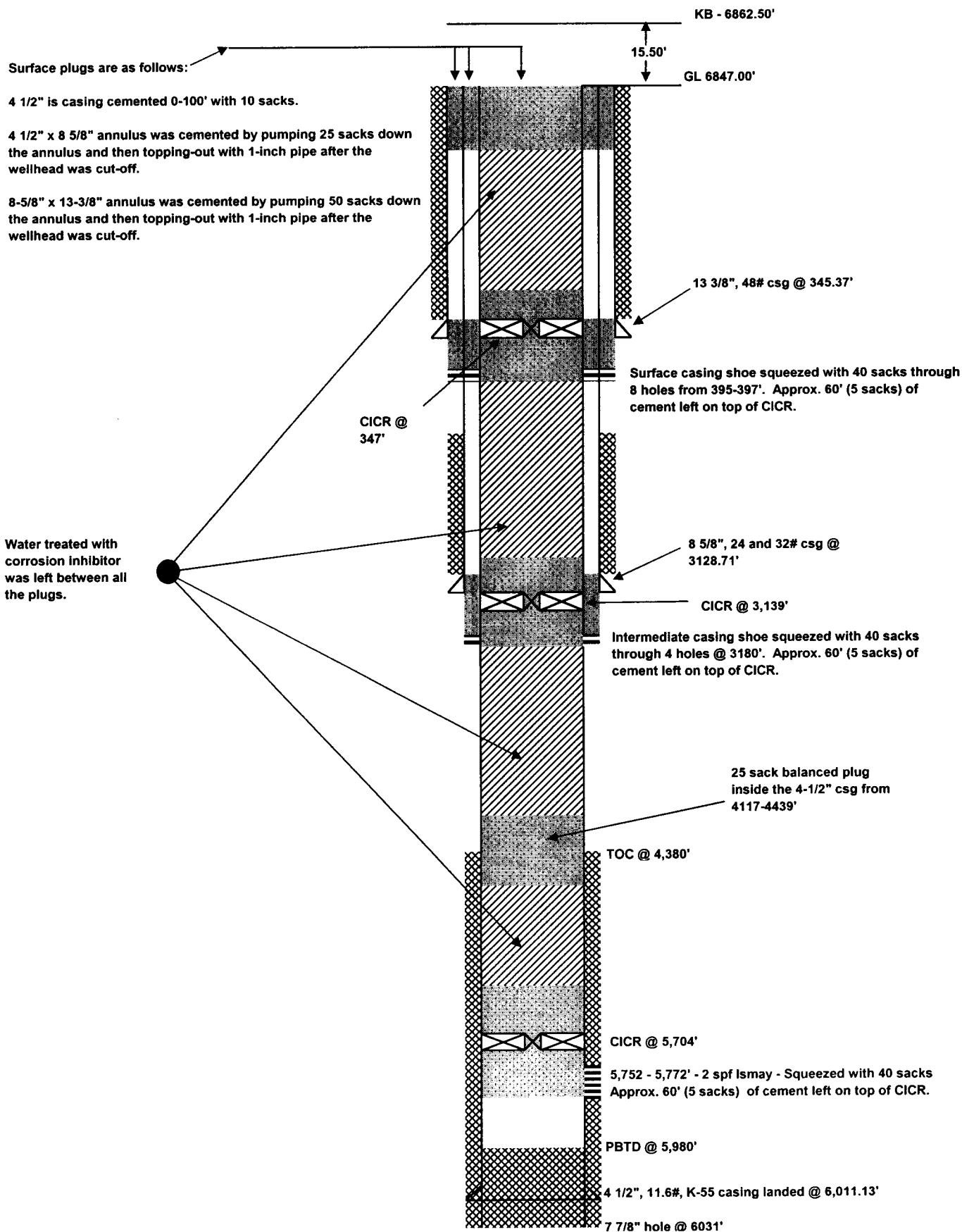
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

RECEIVED  
DEC 13 2006  
DIV. OF OIL, GAS & MINING

# PLUG PLACEMENT

**Piute Knoll Well No. 1**  
**NE SW Sec 26 T33S R25E**  
**San Juan County, Utah**  
**Wellbore Status after Plugging and Abandonment 10/29/06**  
**C. Beilby 12/1/06**





**PIUTE KNOLL**

**1**

**API Well No.:**

**10/29/2006  
SAN JUAN**

**P T A**

**Customer Representative:**

**SCOTT COLVIN**

**Halliburton Operator:**

**Rod Bohnet**

**Ticket No.:**

**4710108**

**HALLIBURTON**

## Field Ticket

<b>Sales Order Number:</b> 0004710108		<b>Sales Order Date:</b> Sunday, October 29, 2006	
<b>Sold To</b> WEXPRO COMPANY E-BILL C/O QUESTAR CORP  PO BOX 45601-DO NOT MAIL SALT LAKE CITY UT 84145-0801		<b>Order Type:</b> ZOH <b>Well Name:</b> PIUTE KNOLL #1 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Farmington, NM, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To</b> WEXPRO PIUTE KNOLL #1, SAN JUAN PIUTE KNOLL #1 SAN JUAN WEXPRO  MONTICELLO UT 84535		<b>Payment Terms:</b> Net 20 days from Invoice date	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
100005053	CACL2	2	BAG		40.00	80.00	-36.00	44.00
7528	CMT PLUG TO ABANDON BOM	1	JOB					
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT Number of Units	200 1	MI unit		9.79	1,958.00	-881.10	1,076.90
2	MILEAGE FOR CEMENTING CREW,ZI Number of Units	200 2	MI unit		5.76	2,304.00	-1,036.80	1,267.20
16094	PLUG BACK/SPOT CEMENT OR MUD,ZI DEPTH FEET/METERS (FT/M)	1 6011	EA FT		9,755.00	9,755.00	-4,389.75	5,365.25
132	PORT. DAS WCEMWIN;ACQUIRE W/HES, ZI NUMBER OF DAYS	1 1	JOB Days		1,649.00	1,649.00	-742.05	906.95
7	ENVIRONMENTAL SURCHARGE,/JOB,ZI	1	JOB		134.00	134.00		134.00
8	IRON SAFETY INSPECTION SURCHARGE /JOB ZI	1	JOB		83.00	83.00		83.00
3965	HANDLE&DUMP SVC CHRGE, CMT&ADDITIVES,ZI NUMBER OF EACH	425 1	CF each		5.49	2,333.25	-1,049.96	1,283.29
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN NUMBER OF TONS	100 16.43	MI ton		3.35	5,504.05	-2,476.82	3,027.23
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT), ZI HOURS	1 4	EA hr		956.00	3,824.00	-1,720.80	2,103.20
100003685	CEM,CLASS G / PREMIUM, BULK	50	SK		40.42	2,021.00	-909.45	1,111.55

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
100001817	Chemical - Halad-9 (50 lb)	5	LB		28.04	130.20	-58.59	71.61
100003885	CEM,CLASS G / PREMIUM, BULK	340	SK		40.42	13,742.80	-6,184.28	7,558.54
100003821	CHEM-ANHIB II - PACKER FLUID-5 GAL PAIL	13	GAL		170.70	2,219.10	-998.60	1,220.50
2	MILEAGE FOR CEMENTING CREW,ZI 2ND DAY Number of Units	200 1	MI unit		5.78	1,152.00	-518.40	633.60
88954	ZI FUEL SURCHG-CARS/PICKUPS< 2ND DAY Number of Units	200 1	MI unit		0.15	30.00		30.00
88955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON Number of Units	200 1	MI unit		0.45	90.00		90.00
88954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON Number of Units	200 1	MI unit		0.15	30.00		30.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	100 16.43	MI ton		0.15	246.45		246.45
372867	CMT PSL - DOT VEHICLE CHARGE, CMT	3	EA		241.00	723.00		723.00

OperatorName: ROD BONET  
CustomerAgent: SCOTT COLVIN  
Halliburton Approval:

Totals 48,008.85 -21,002.59 27,006.27

FIELD TICKET TOTAL \$27,006.27

X  
Customer Signature

<b>HALLIBURTON JOB SUMMARY</b>				SALES ORDER NUMBER <b>4710108</b>		TICKET DATE <b>October 29, 2006</b>	
REGION <b>NORTH AMERICA</b>		NMA / COUNTRY <b>ROCKY MOUNTAIN</b>		BDA / STATE <b>UTAH</b>		COUNTY <b>SAN JUAN</b>	
MBU ID / EMPL # <b>284863</b>		H.E.S. EMPLOYEE NAME <b>Rod Bohnet</b>		PSL DEPARTMENT <b>ZONAL ISOLATION</b>			
LOCATION <b>FARMINGTON, NM</b>		COMPANY:		CUSTOMER REP / PHONE <b>SCOTT COLVIN</b>			
TICKET AMOUNT		WELL TYPE <b>GAS</b>		APIUM #			
WELL LOCATION		DEPARTMENT <b>ZONAL ISOLATION 10003</b>		SAP BOMB NUMBER		JOB TYPE <b>P T A</b>	
LEASE NAME <b>PIUTE KNOLL</b>		Well No. <b>1</b>		TWP /		RNG /	
		SEC /		<b>S:26 T:33S R:25E</b>			

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)		HRS		HRS		HRS	
<b>Rod Bohnet 284863</b>		<b>12.0</b>		<b>BRIAN LOCKETT 381233</b>		<b>12.0</b>	
				<b>ERIC BRUEGGEMAN 393018</b>		<b>12.0</b>	

H.E.S. UNIT #S / (R / T MILES)		R / T MILES		R / T MILES		R / T MILES	
<b>10286185</b>		<b>200</b>		<b>10248037</b>		<b>200</b>	
				<b>10248068</b>		<b>200</b>	

Form. Name \_\_\_\_\_ Type: \_\_\_\_\_

Form. Thickness \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

Packer Type \_\_\_\_\_ Set At \_\_\_\_\_

Bottom Hole Temp. \_\_\_\_\_ Pressure \_\_\_\_\_

Retainer Depth **5770** Total Depth **6,011**

**Tools and Accessories**

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
Limit Clamp		
BASKET		
Insert Float		
Guide Shoe		
Weld-A		

**Materials**

Mud Type	Density	Lb/Gal
Disp. Fluid	Fresh water	<b>8.33</b>
Prop. Type	Size	Lb
Prop. Type	Size	Lb
Acid Type	Gal.	%
Acid Type	Gal.	%
Surfactant	Gal.	In
NE Agent	Gal.	In
Fluid Loss	Gal/Lb	In
Gelling Agent	Gal/Lb	In
Fric. Red.	Gal/Lb	In
Breaker	Gal/Lb	In
Blocking Agent	Gal/Lb	
Perfpac Balls	Qty.	
Other		
KCL substitute		
Other		
Other		

Date	Called Out	On Location	Job Started	Job Completed
	<b>10/27/06</b>	<b>10/27/06</b>	<b>10/27/06</b>	<b>10/29/06</b>
Time	<b>5:00</b>	<b>10:00</b>	<b>11:30</b>	<b>11:00</b>

**Well Data**

Casing	New/Used	Weight	Size	Grade	From	To	Max. Allow
Surface							
Intermediate							
Long String		<b>11.6</b>	<b>4 1/2</b>	<b>K-55</b>			
Tubing	<b>NEW</b>	<b>4.6</b>	<b>2 3/8</b>				
Drill Pipe							
Open Hole							
Perforations					<b>5750</b>	<b>5,772</b>	Shots/Ft
Perforations							
DV Tool							

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
<b>10/27/06</b>	<b>5.00</b>	<b>10/27/06</b>	<b>2.00</b>	<b>SEE JOB LOG</b>
<b>10/29/06</b>	<b>2.00</b>	<b>10/29/06</b>	<b>1.00</b>	
<b>10/28/06</b>	<b>5.00</b>	<b>10/28/06</b>	<b>2.00</b>	
<b>Total 12.00</b>		<b>Total 5.00</b>		

Ordered		Hydraulic Horsepower	
		Avail. _____ Used _____	
Treating		Average Rates in BPM	
		Disp. _____ Overall _____	
Feet		Cement Left in Pipe	
		Reason _____	

Cement Data																			
Stage	Sacks	Cement	Bulk/Sks																
<b>1</b>	<b>50</b>	<b>TYPE G</b>	<b>SKS</b>																
<b>2</b>	<b>225</b>	<b>TYPE G</b>	<b>SKS</b>																
<b>3</b>	<b>115</b>	<b>TYPE G</b>	<b>SKS</b>																
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Additives</th> <th>W/Rq.</th> <th>Yield</th> <th>Lbs/Gal</th> </tr> <tr> <td><b>1/10% HALAD 9</b></td> <td><b>5.20</b></td> <td><b>1.18</b></td> <td><b>15.6</b></td> </tr> <tr> <td><b>NEAT</b></td> <td><b>5.20</b></td> <td><b>1.18</b></td> <td><b>15.6</b></td> </tr> <tr> <td><b>NEAT</b></td> <td><b>5.20</b></td> <td><b>1.18</b></td> <td><b>15.6</b></td> </tr> </table>				Additives	W/Rq.	Yield	Lbs/Gal	<b>1/10% HALAD 9</b>	<b>5.20</b>	<b>1.18</b>	<b>15.6</b>	<b>NEAT</b>	<b>5.20</b>	<b>1.18</b>	<b>15.6</b>	<b>NEAT</b>	<b>5.20</b>	<b>1.18</b>	<b>15.6</b>
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Summary			
Circulating	<b>RIG</b>	Displacement	<b>HES PUMP</b>
Breakdown	<b>no</b>	Maximum	
Lost Returns	<b>NO</b>		
Cmt Rtn#Bbl		Actual TOC	<b>Surface</b>
Average		Frac. Gradient	
Shut In: Instant		<b>5 Min.</b>	<b>15 Min.</b>
Preflush:		Gal - BBI	Type: <b>H2O</b>
Load & Bkdn:		Gal - BBI	Pad: Bbl - Gal
Excess /Return		Gal BBI	Calc. Disp Bbl
Calc. TOC:			Actual Disp.
Treatment:		Gal - BBI	Disp: Bbl - Gal
Cement Slurry		Gal - BBI	
Total Volume		Gal - BBI	

<b>Frac Ring #1</b>	<b>Frac Ring #2</b>	<b>Frac Ring #3</b>	<b>Frac Ring #4</b>
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**THE INFORMATION STATED HEREIN IS CORRECT**

**CUSTOMER REPRESENTATIVE** \_\_\_\_\_

SIGNATURE \_\_\_\_\_

HALLIBURTON JOB LOG					TICKET #		TICKET DATE	
REGION			NWA / COUNTRY		BDA / STATE		COUNTY	
NORTH AMERICA LAND			ROCKY MOUNTAIN		UTAH		SAN JUAN	
MBU ID / EMPL #			H.E.S. EMPLOYEE NAME		PSL DEPARTMENT			
284863			Rod Bohnet		ZONAL ISOLATION			
LOCATION			COMPANY		CUSTOMER REP / PHONE			
FARMINGTON, NM					SCOTT COLVIN			
TICKET AMOUNT			WELL TYPE		AP/UM #			
			02 GAS					
WELL LOCATION			DEPARTMENT		JOB PURPOSE CODE		Description	
			ZONAL ISOLATION 10003		P T A			
LEASE / WELL #		Well No.	SEC /		TWP /	RNG		
PIUTE KNOLL		1			S:26 T:33S R:25E			
DATE	Time	Rate (GPM)	Volume (GALLONS)	Pressure (PSI)	Job Description / Remarks			
10/27/2006	5:00				JOB CALLED OUT			
	6:00				PRE YARD SAFETY MEETING			
	10:00				ARRIVED ON LOCATION			
	10:15				LOCATION ASSESSMENT & SAFETY MEETING			
	10:30				SPOT AND RIG UP EQUIPMENT ON LOCATION			
	11:57	3	2	50	PUMP PREFLUSH			
	12:00			2000	PRESSURE TEST LINES			
	12:02	3	10.5	800	START SLURRY			
	12:22	3	20	1000	START DISPLACEMENT			
					PULL 2 JIONTS			
	12:40	4	80	1500	CIRCULATE HOLE OVER TO INHIBITOR			
					PULL TUBING UP TO 4439FT			
	13:30	3	2		ESTABLISH CIRCULATION			
	13:40	3	5	450	START SLURRY			
	13:50	3	#	#	DISPLACE WITH INHIBITOR			
	14:00				BALANCE PLUG			
	14:05	2	10.5	50	PUMP SLURRY DOWN SURFACE CASING			
	14:17	2	36	100	PUMP H2O DOWN INTERMEDIATE CASING			
	14:35	2	5	100	START SLURRY			
	14:45				WASH UP UNITS			
	15:00				LEAVE LOCATION			
10/28/2006	10:00				ARRIVE ON LOCATION			
	10:30				RIG UP AND SAFETY MEETING			
	11:00	3	2	100	PUMP PREFLUSH			
	11:05			2000	PRESSURE TEST LINES			
	11:10	3	10.5	500	START SLURRY			
	11:15	3	10	500	START DISPLACEMENT			
					PULL 2 JIONTS			
	11:40	3	15		BACKWASH TUBING			
					SET 2ND RETAINER			
	14:05	3	5	300	PUMP PREFLUSH			
	14:10	3	10.5	300	START SLURRY			
	14:25	3	2	300	START DISPLACEMENT			
	14:30				WASH UP UNITS			
	14:45				RIG OUT UNITS			
	15:00				LEAVE LOCATION			
	8:30				ARRIVE ON LOCATION			
	8:45	1	24	50	START SLURRY FOR TOP OFFS			
	10:30				WASH UP UNITS			
	10:45				RIG OUT UNITS			
	11:00				LEAVE LOCATION			

# HALLIBURTON Work Order Contract

Order Number

4710108

Halliburton Energy Services, Inc.  
Houston, Texas 77056

70012 SAP

TO: HALLIBURTON ENERGY SERVICES, INC. - YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICE PERSONNEL TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO CUSTOMER LISTED BELOW AND DELIVER AND SELL PRODUCTS, SUPPLIES AND MATERIALS FOR THE PURPOSE OF SERVICING:

Well No. <b>1</b>	Farm or Lease <b>PIUTE KNOLL</b>	County <b>SAN JUAN</b>	State <b>UTAH</b>	Well Permit Number
Customer <b>SCOTT COLVIN</b>		Well Owner		Job Purpose <b>P T A</b>

**THIS WORK ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED**

A. CUSTOMER REPRESENTATION - Customer warrants that the well is in proper condition to receive the services, equipment, products, and materials to be supplied by Halliburton Energy Services, Inc. (hereinafter "Halliburton").

B. PRICE AND PAYMENT - The services, equipment, products, and/or materials to be supplied hereunder are priced in accordance with Halliburton's current price list. All prices are exclusive of taxes. If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If Customer has an approved open account, invoices are payable on the twentieth day after the date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, or Halliburton's actual attorneys fees, whichever is greater, plus all collection and court costs. Customer agrees that the amount of attorney fees set out herein are reasonable and necessary.

C. RELEASE AND INDEMNITY - Customer agrees to RELEASE Halliburton Group from any and all liability for any and all damages whatsoever to property of any kind owned by, in the possession of, or leased by Customer and those persons and entities Customer has the ability to bind by contract or which are co-interest owners or joint ventures with Customer. Customer also agrees to DEFEND, INDEMNIFY, AND HOLD Halliburton Group HARMLESS from and against any and all liability, claims, costs, expenses, attorney fees and damages whatsoever for personal injury, illness, death, property damage and loss resulting from:

loss of well control; services to control a wild well whether underground or above the surface; reservoir or underground damage, including loss of oil, gas, other mineral substances or water; surface damage arising from underground damage; damage to or loss of the well bore; subsurface trespass or any action in the nature thereof; fire; explosion; subsurface pressure; radioactivity; and pollution and contamination and its cleanup and control.

CUSTOMER'S RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations will apply even if the liability and claims are caused by the sole, concurrent, active or passive negligence, fault, or strict liability of one or more members of the Halliburton Group, the unseaworthiness of any vessel or any defect in the data, products, supplies, materials or equipment furnished by any member or members of the Halliburton Group whether in the design, manufacture, maintenance or marketing thereof or from a failure to warn of such defect. "Halliburton Group" is defined as Halliburton Energy Services, Inc., its parent, subsidiary, and affiliated companies, insurers and subcontractors and all its/their officers, directors, employees, consultants and agents. Customer's RELEASE, DEFENSE, INDEMNITY AND HOLD HARMLESS obligations apply whether the personal injury, illness, death, property damage or loss is suffered by one or more members of the Halliburton Group, Customer, or any other person or entity. Customer agrees to support such obligations assumed herein with liability insurance with limits of not less than \$600,000. Customer agrees to name Halliburton Group as named additional insureds on all of its general liability policy(s). Customer agrees that its liability under this Contract is not limited by the amounts of its insurance coverage, except where and as may be required by applicable local law for the provisions of this Contract to be enforceable.

D. EQUIPMENT LIABILITY - Customer shall at its risk and expense attempt to recover any Halliburton Group equipment lost or lodged in the well. If the equipment is recovered and repairable, Customer shall pay the repair costs, unless caused by Halliburton's sole negligence. If the equipment is not recovered or is irreparable, Customer shall pay the replacement cost, unless caused by Halliburton's sole negligence. If a radioactive source becomes lost or lodged in the well, Customer shall meet all requirements of Section 39.15(a) of the Nuclear Regulatory Commission regulations and any other applicable laws or regulations concerning retrieval or abandonment and shall permit Halliburton to monitor the recovery or abandonment efforts all at no risk or liability to Halliburton Group. Customer shall be responsible for damage to or loss of Halliburton group equipment, products, and materials while in transit aboard Customer-supplied transportation, even if such is arranged by Halliburton at Customer's request, and during loading and unloading from such transport. Customer will also pay for the repair or replacement of Halliburton group equipment damaged by corrosion or abrasion due to well effluents.

E. LIMITED WARRANTY - Halliburton warrants only title to the equipment, products, and materials supplied under this Contract and that same are free from defects in workmanship and materials for thirty (30) days from the date of delivery. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's sole liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale, lease or use of any equipment, products, or materials is expressly limited to the replacement of such on their return to Halliburton or, at Halliburton's option, to the allowance to Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, consequential, or punitive damages. Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, HALLIBURTON IS UNABLE TO GUARANTEE THE EFFECTIVENESS OF THE EQUIPMENT, MATERIALS, OR SERVICE, NOR THE ACCURACY OF ANY CHART INTERPRETATION, RESEARCH ANALYSIS, JOB RECOMMENDATION OR OTHER DATA FURNISHED BY HALLIBURTON GROUP. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton Group shall not be liable for and CUSTOMER SHALL INDEMNIFY HALLIBURTON GROUP AGAINST ANY DAMAGES ARISING FROM THE USE OF SUCH INFORMATION, even if such is contributed to or caused by the active or passive negligence, fault or strict liability of any member or members of Halliburton Group. Halliburton also does not warrant the accuracy of data transmitted by electronic process, and Halliburton will not be responsible for accidental or intentional interception of such data by third parties.

F. GOVERNING LAW - The validity, interpretation and construction of this Contract shall be determined by the laws of the jurisdiction where the services are performed or the equipment or materials are delivered.

G. DISPUTE RESOLUTION Customer and Halliburton agree that any dispute that may arise out of the performance of this Contract shall be resolved by binding arbitration by a panel of three arbitrators under the rules of the American Arbitration Association. The arbitration will take place in Houston, TX.

H. SEVERABILITY - If any provision or part thereof of this Contract shall be held to be invalid, void, or of no effect for any reason, such holding shall not be deemed to affect the validity of the remaining provisions of this Contract which can be given effect, without the invalid provision or part thereof, and to this end, the provisions of this Contract are declared to be severable. Customer and Halliburton agree that any provision of this Contract that is unenforceable or void under applicable law will be modified to achieve the intent of the parties hereunder to the greatest extent allowed by applicable law.

I. MODIFICATIONS - Customer agrees that Halliburton shall not be bound by any modifications to this Contract, except where such modification is made in writing by a duly authorized executive officer of Halliburton. Requests for modifications should be directed to the Vice President - Legal, 4100 Clinton Drive, Houston, TX. 77020.

I HAVE READ AND UNDERSTAND THIS WORK ORDER CONTRACT WHICH CONTAINS RELEASE AND INDEMNITY LANGUAGE WHICH

CUSTOMER ACKNOWLEDGES IS CONSPICUOUS AND AFFORDS FAIR AND ADEQUATE NOTICE AND I REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED:

DATE:

10/27/2006

TIME:

10:00

A.M./PM.

CUSTOMER Authorized Signatory

Customer Acceptance of Materials and Services

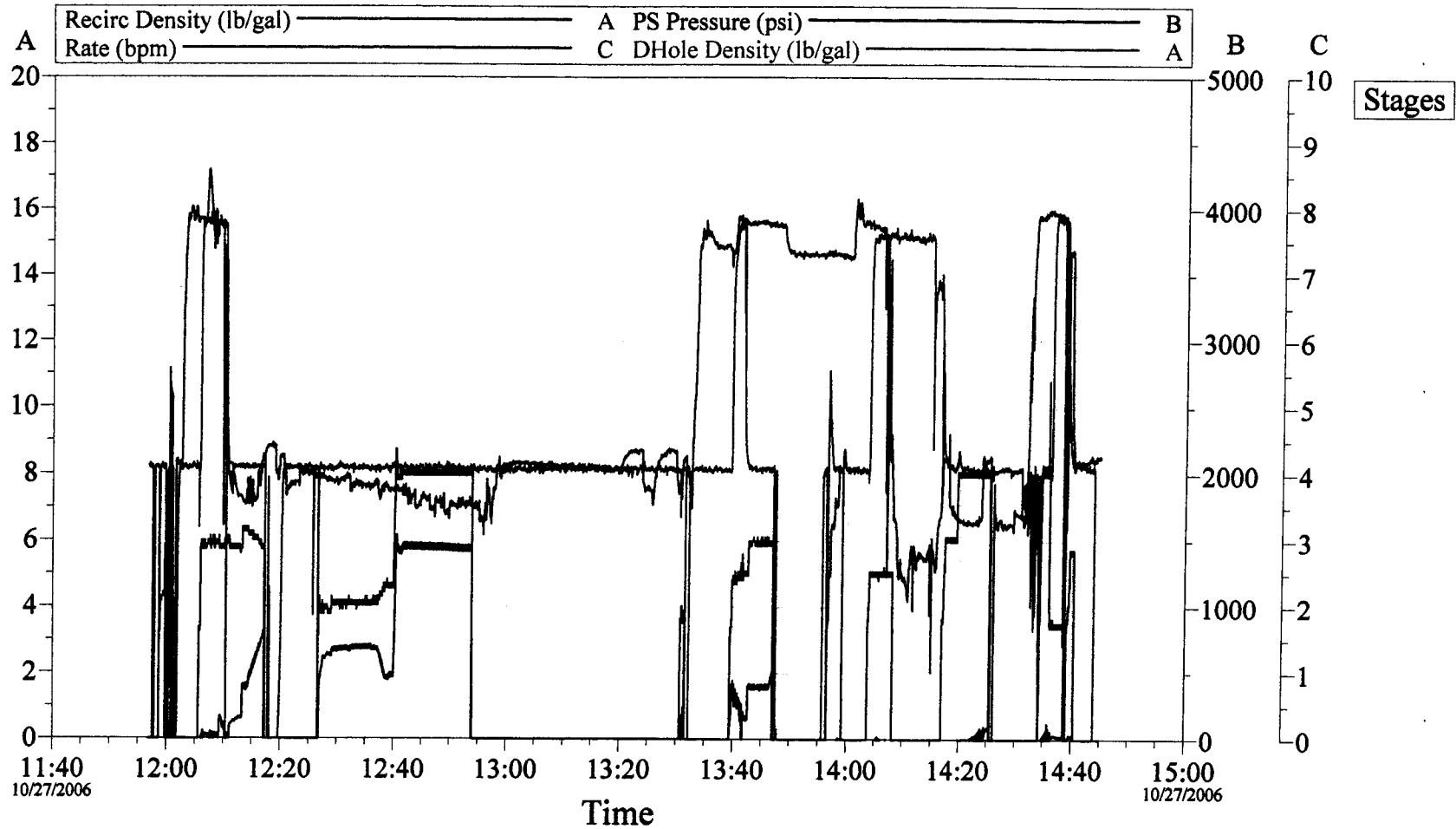
THE CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE  
MATERIALS AND SERVICES DESCRIBED ON THE ATTACHED

ORDER NUMBER

4710108

CUSTOMER Authorized Signatory

# WEXPRO

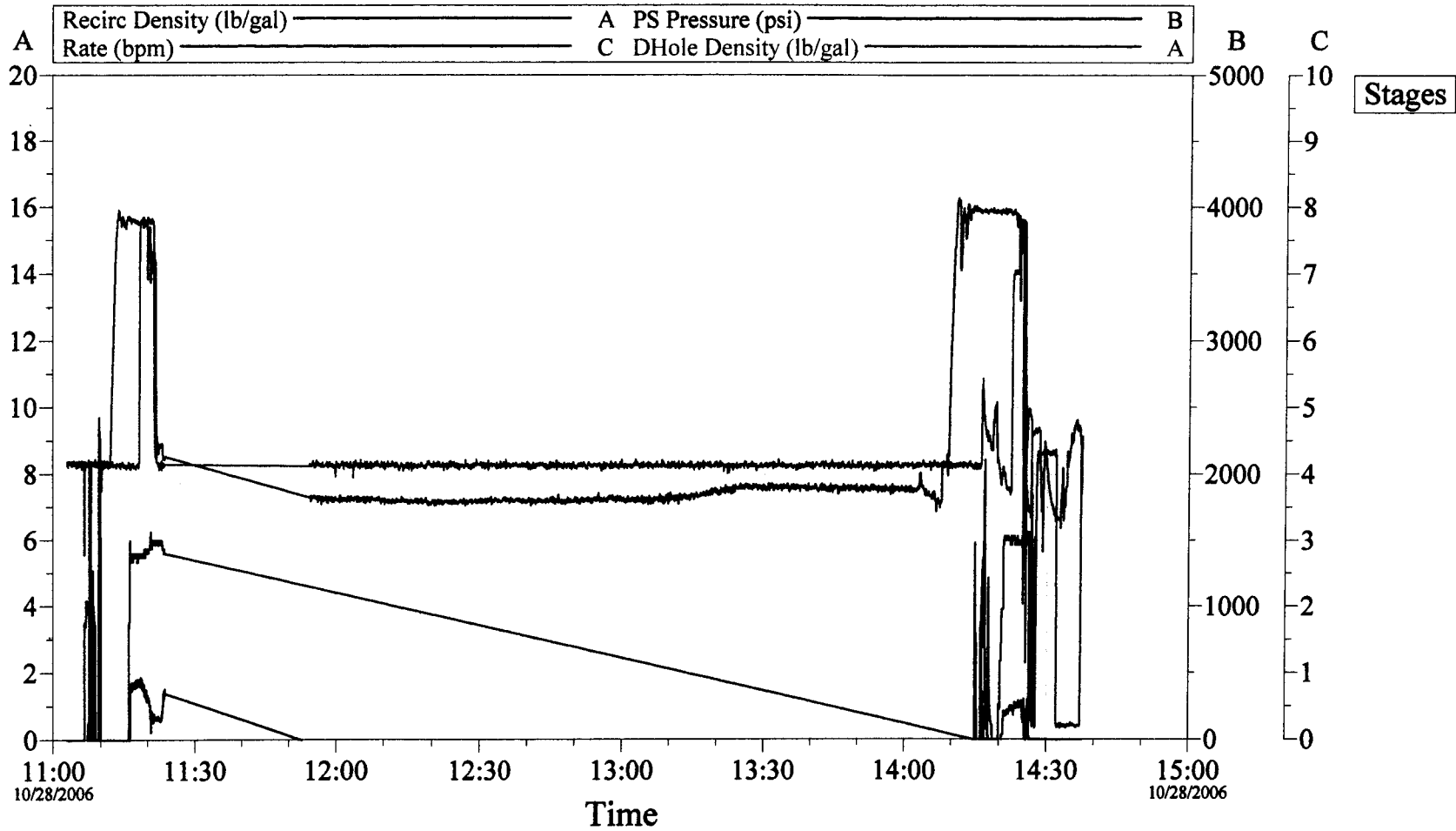


Event Log

Customer: WEXPRO	Job Date: 27/10/06	Ticket #: 4710108
Well Desc: PIUTE KNOLL #1	Job Type: P.T.A	

CemWin v1.7.2  
29-Oct-06 10:27

# WEXPRO

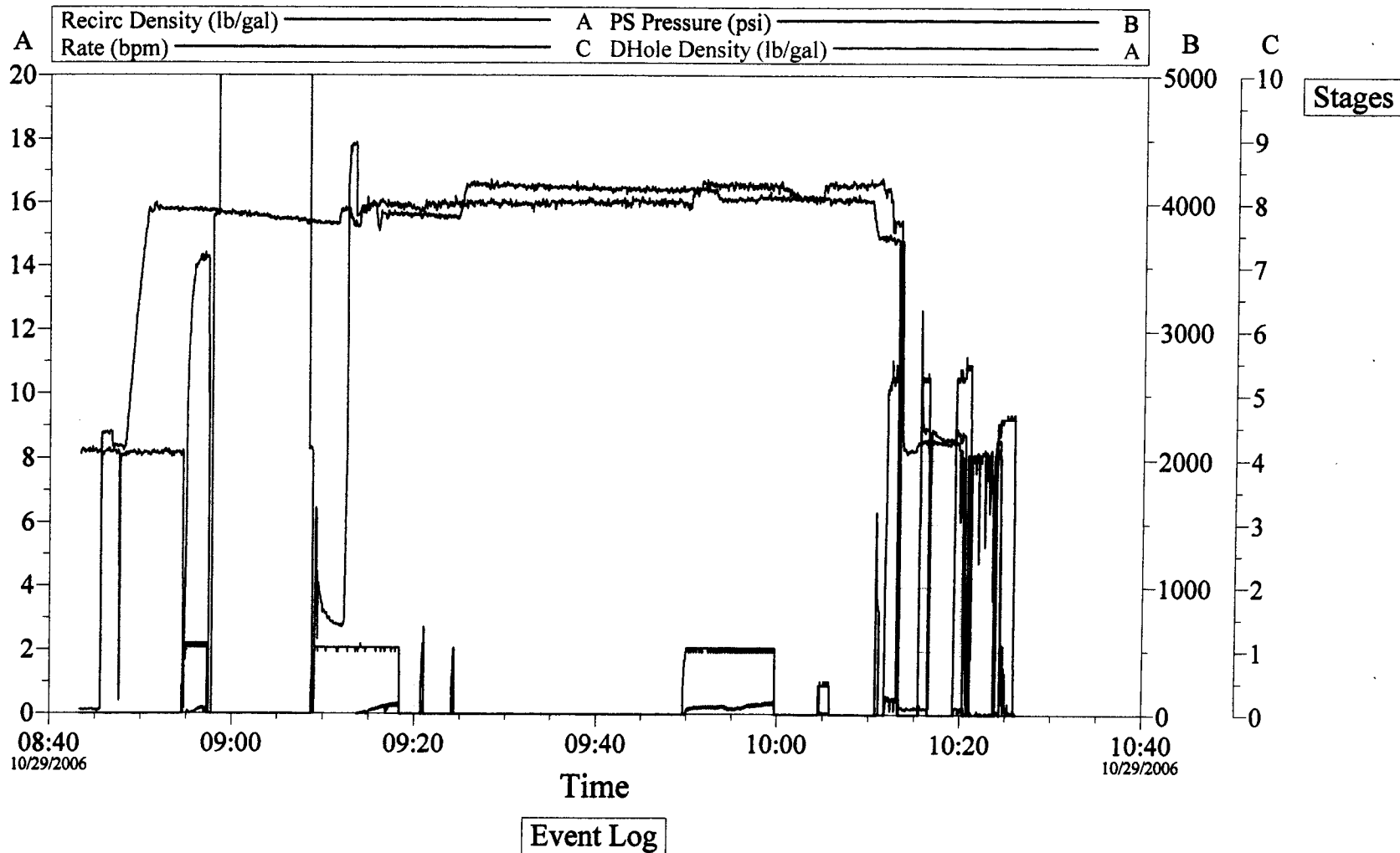


Customer: WEXPRO	Job Date: 28/10/06	Ticket #: 4710108
Well Desc: PIUTE KNOLL	Job Type: P.T.A	

CemWin v1.7.2  
 29-Oct-06 10:28



# WEXPRO



Customer: WEXPRO  
Well Desc: PIUTE KNOLL

Job Date: 29/10/06  
Job Type: P.T.A

Ticket #: 4710108

CemWin v1.7.2  
29-Oct-06 10:26